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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	3	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS	4	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS	5	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS	6	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS	7	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS	8	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	9	NOV 26	MARPAT enhanced with FSORT command
NEWS	10	NOV 26	MEDLINE year-end processing temporarily halts availability of new fully-indexed citations
NEWS	11	NOV 26	CHEMSAFE now available on STN Easy
NEWS	12	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	13	DEC 01	ChemPort single article sales feature unavailable
NEWS	14	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	15	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS EXPRESS	JUNE 27 08		CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:32:46 ON 30 DEC 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:32:59 ON 30 DEC 2008

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STRUCTURE FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7

DICTIONARY FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

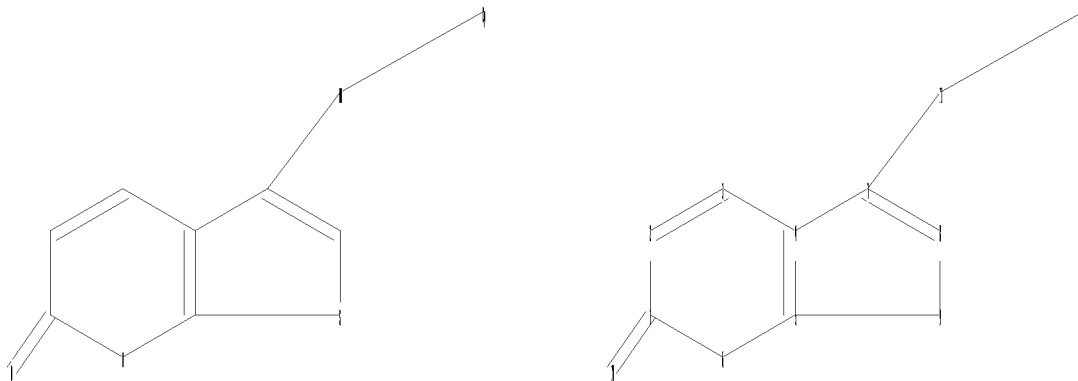
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10561052.str



chain nodes :

10 11 12

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-10 7-11 11-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

1-2 1-6 1-10 2-3 3-4 4-5 5-6 7-11 11-12

exact bonds :

4-7 5-9 7-8 8-9

isolated ring systems :

containing 1 :

Match level :

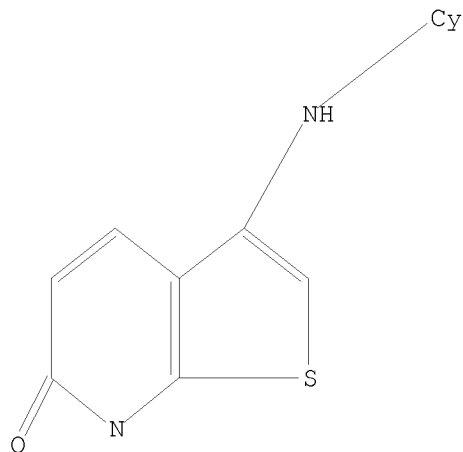
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 12:33:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3745 TO ITERATE

100.0% PROCESSED 3745 ITERATIONS

390 ANSWERS

SEARCH TIME: 00.00.01

L2 390 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.36

178.57

FILE 'CAPLUS' ENTERED AT 12:33:22 ON 30 DEC 2008

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FILE COVERS 1907 - 30 Dec 2008 VOL 150 ISS 1
FILE LAST UPDATED: 29 Dec 2008 (20081229/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 12 full

L3 7 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:673573 CAPLUS

DOCUMENT NUMBER: 149:32285

TITLE: Aminothienopyridinone derivatives as p38 MAP kinase inhibitors and their preparation, pharmaceutical compositions and use in the treatment of diseases

INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher; Langham, Barry John; Hutchings, Martin Clive

PATENT ASSIGNEE(S): UCB Pharma, S.A., Belg.

SOURCE: PCT Int. Appl., 37pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008064829	A2	20080605	WO 2007-EP10189	20071123
WO 2008064829	A3	20081023		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: GB 2006-23955 A 20061130

EP 2007-1807 A 20070127

OTHER SOURCE(S): MARPAT 149:32285

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to 3-aminothienopyridinone derivs. of formula I, to processes for preparing them, to pharmaceutical compns. containing them and to their use as pharmaceuticals. Compds. of formula I wherein R1 and R2 are independently C1-3 alkyl, halo and OH; m and n are independently 1-3; R3R4 taken together to form (un)substituted 4- to 6-membered non-aromatic heterocycle; and their pharmaceutically acceptable salts, stereoisomers, geometrical isomers, enantiomers and diastereoisomers thereof, are claimed. Example compound II was prepared by N-arylation of 3-bromo-7-(2,6-difluorophenyl)-2-((2R)-2-[(tetrahydro-2H-pyran-2-yloxy)methyl]pyrrolidin-1-yl)carbonyl)thieno[2,3-b]pyridin-6(7H)-one with 2-amino-6-picoline. All the invention compds. were evaluated for their p38 MAP kinase inhibitory activity. From the assay, it was determined that II exhibited the IC50 values of 15 - 30 nm against p38 α MAP kinase inhibitor.

IT 1030833-61-4P 1030833-63-6P 1030833-64-7P

1030833-66-9P 1030833-68-1P 1030833-70-5P

1030833-72-7P 1030833-74-9P

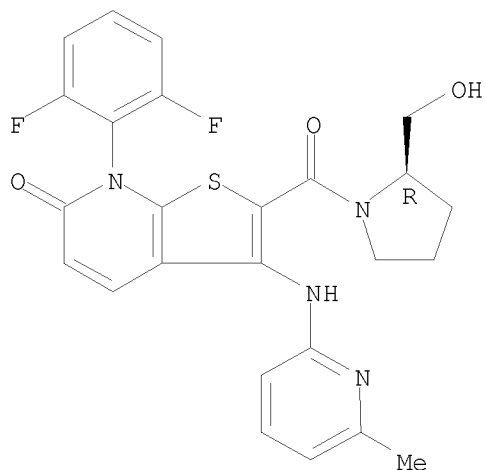
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

RN 1030833-61-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

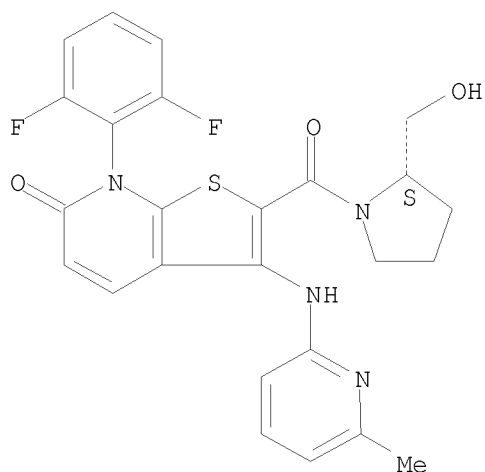
Absolute stereochemistry.



RN 1030833-63-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

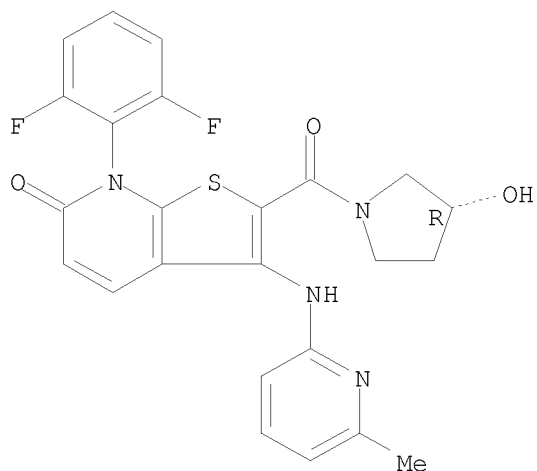
Absolute stereochemistry.



RN 1030833-64-7 CAPLUS

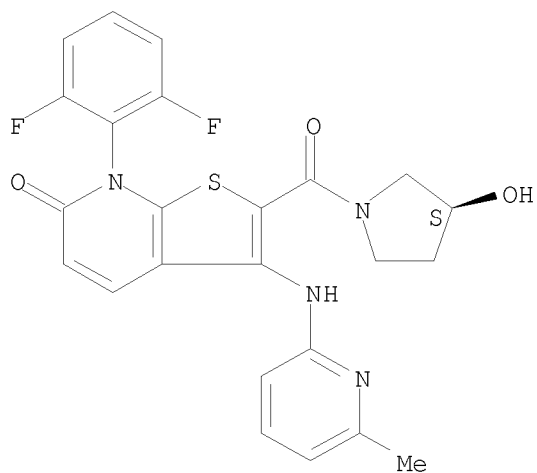
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



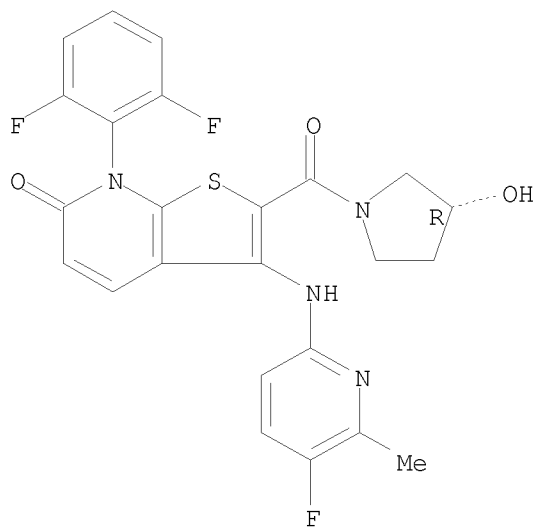
RN 1030833-66-9 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



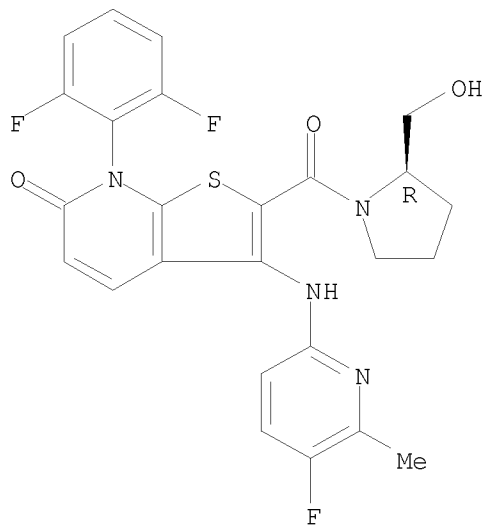
RN 1030833-68-1 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

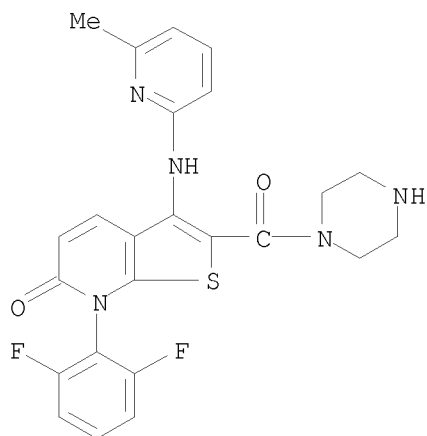


RN 1030833-70-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



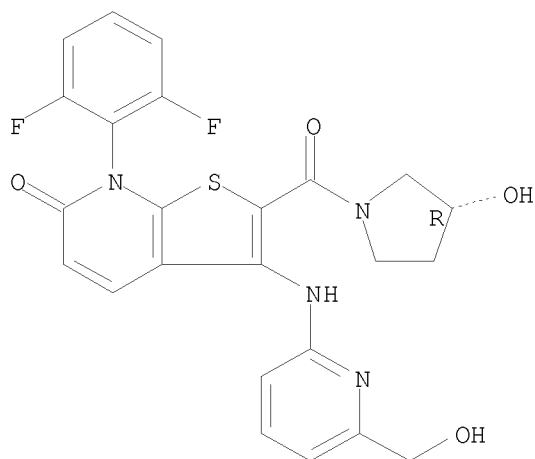
RN 1030833-72-7 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-methyl-2-pyridinyl)amino]-2-(1-piperazinylcarbonyl)- (CA INDEX NAME)



RN 1030833-74-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[[6-(hydroxymethyl)-2-pyridinyl]amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 1030833-96-5P 1030834-00-4P 1030834-01-5P

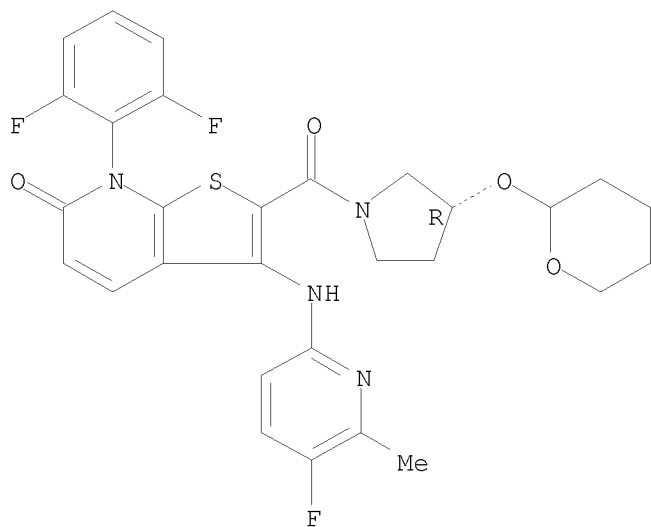
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

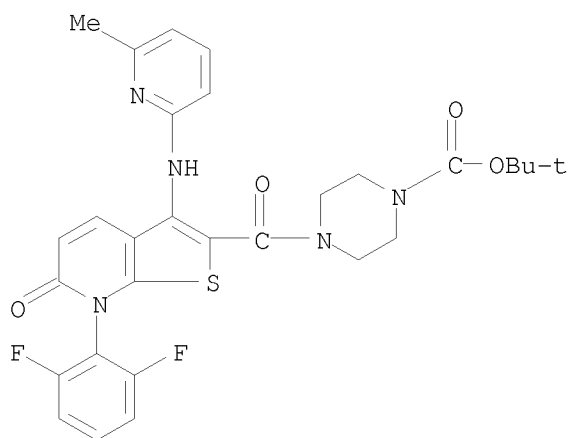
RN 1030833-96-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

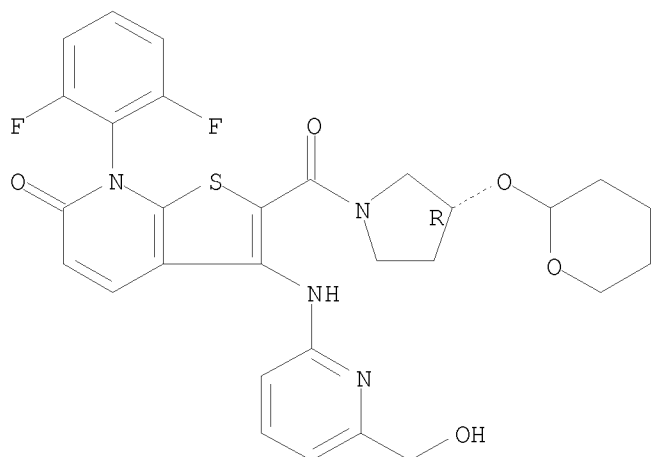


RN 1030834-00-4 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[7-(2,6-difluorophenyl)-6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxothieno[2,3-b]pyridin-2-yl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1030834-01-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[[6-(hydroxymethyl)-2-pyridinyl]amino]-2-[[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 1030833-99-8P

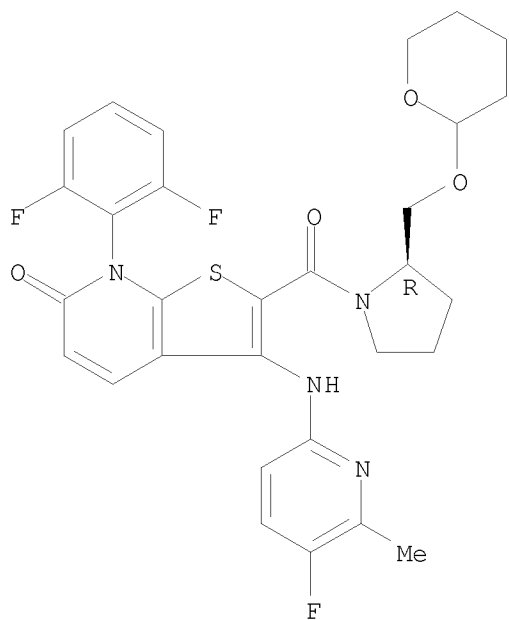
RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prophetic intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

RN 1030833-99-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

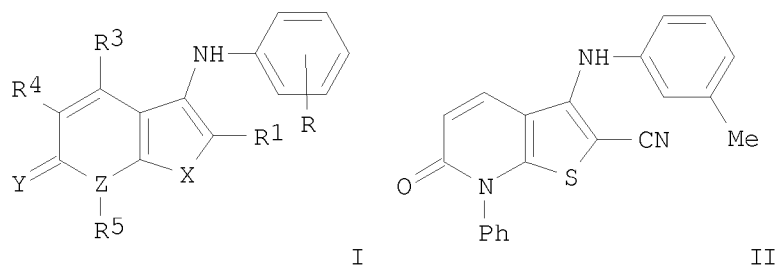
Absolute stereochemistry.



L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:516759 CAPLUS
DOCUMENT NUMBER: 145:27872
TITLE: A process for the formation of C-N bonds via the
Buchwald-Hartwig amination
INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich
PATENT ASSIGNEE(S): Lanxess Deutschland G.m.b.H., Germany
SOURCE: Ger. Offen., 8 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004056820	A1	20060601	DE 2004-102004056820	20041124
AU 2005308941	A1	20060601	AU 2005-308941	20051123
CA 2586440	A1	20060601	CA 2005-2586440	20051123
EP 1817313	A1	20070815	EP 2005-808296	20051123
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
KR 2007086565	A	20070827	KR 2007-714254	20070622
US 20080207907	A1	20080828	US 2007-718898	20071203
PRIORITY APPLN. INFO.:			DE 2004-102004056820A	20041124
			DE 2004-102004056821A	20041124
			WO 2005-EP12509	W 20051123
OTHER SOURCE(S):	MARPAT 145:27872			
GI				

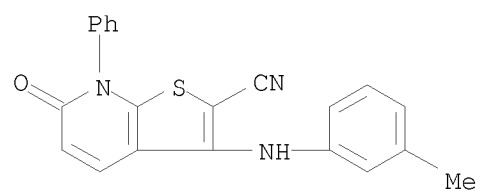


AB A process for the preparation of title compds. I [R = (R')_n; X = O, S, NH, etc.; Y = O, S; Z = N, CH; R₁, R₃, R₄ = H, alkyl, alkoxy, etc.; R₅ = H, alkyl, aryl, etc.; R' = H, alkyl, alkoxy, etc.; n = 0-5] via pd-catalyzed coupling was disclosed. The synthesis of compound II was claimed (no exptl. provided). Of note is the use of a mixed solvent system for the coupling.

IT 639480-55-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(formation of C-N bonds via the Buchwald-Hartwig amination)

RN 639480-55-0 CAPLUS

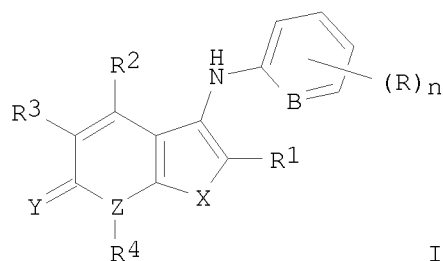
CN Thieno[2,3-b]pyridine-2-carbonitrile,
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



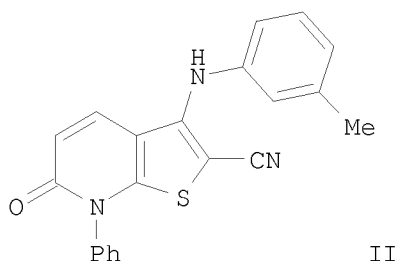
L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:516682 CAPLUS
DOCUMENT NUMBER: 145:27972
TITLE: Process for palladium catalyzed C-N coupling
INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich; Smith, Ian
PATENT ASSIGNEE(S): Ucb, S.A., Belg.
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006056412	A1	20060601	WO 2005-EP12509	20051123
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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CA 2586440	A1	20060601	CA 2005-2586440	20051123
EP 1817313	A1	20070815	EP 2005-808296	20051123
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
JP 2008520613	T	20080619	JP 2007-541828	20051123
IN 2007DN03451	A	20070831	IN 2007-DN3451	20070509
KR 2007086565	A	20070827	KR 2007-714254	20070622
US 20080207907	A1	20080828	US 2007-718898	20071203
PRIORITY APPLN. INFO.:			DE 2004-102004056821A	20041124
			DE 2004-102004056820A	20041124
			WO 2005-EP12509 W	20051123
OTHER SOURCE(S):			CASREACT 145:27972; MARPAT 145:27972	
GI				



I



II

AB The invention relates to a process for the preparation of thieno[2,3-b]pyridine derivs. I [wherein X = O, S, NH, or CH₂; Y = O or S; Z and B =

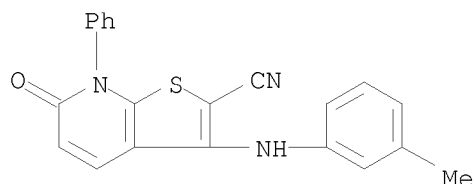
independently N or CH; R1-R3 = independently H, (pseudo)halo, OH, NO2, (un)substituted alkyl, alkoxy, aryl, etc.; R4 = H, (un)substituted alkyl, aryl, or arylalkyl; R = independently H, (pseudo)halo, OH, NO2, (un)substituted alkyl, alkoxy, aryl, etc.; n = 0-5] comprising coupling of an aryl halide or an aryloxysulfonyl compound with an amine in the presence of palladium catalyst. For example, 3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-nitrile was reacted with 3-bromotoluene in the presence of tris(dibenzylideneacetone)palladium, a phosphorus ligand, and potassium phosphate to give II (87%). The process is useful for the formation of C-N bonds.

IT 639480-55-0P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(palladium catalyzed C-N coupling)

RN 639480-55-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



REFERENCE COUNT:

11

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154722 CAPLUS

DOCUMENT NUMBER: 142:93797

TITLE: Process for preparing 3-aminothienopyridone derivatives and their applications to the synthesis of p38 MAP kinase inhibitors

INVENTOR(S): Evans, Graham Robert; Smith, Ian Harold; Tremayne, Neil; Jones, Leighton; Langston, Marianne

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

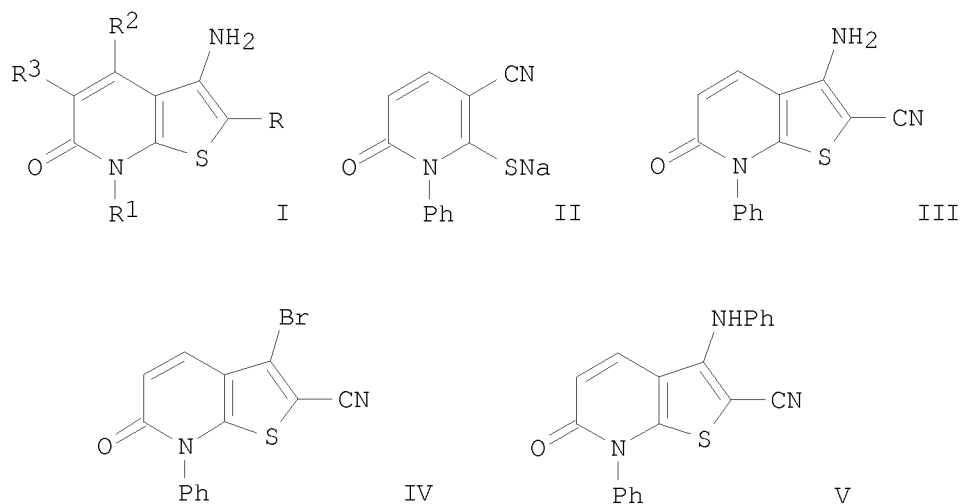
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113349	A1	20041229	WO 2004-GB2680	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249507	A1	20041229	AU 2004-249507	20040618
CA 2528927	A1	20041229	CA 2004-2528927	20040618
EP 1638980	A1	20060329	EP 2004-743031	20040618
EP 1638980	B1	20081105		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007516163	T	20070621	JP 2006-516465	20040618
AT 413405	T	20081115	AT 2004-743031	20040618
US 20070191608	A1	20070816	US 2006-561051	20060608
PRIORITY APPLN. INFO.:			GB 2003-14493	A 20030620
			GB 2003-29471	A 20031219
			WO 2004-GB2680	W 20040618
OTHER SOURCE(S):	MARPAT 142:93797			
GI				



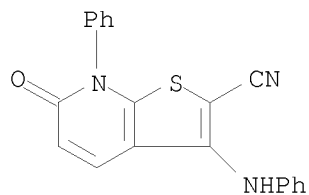
AB This invention provides a class of 3-amino-7H-thieno[2,3-b]pyridin-6-one derivs. I [wherein R = cyano, NO₂, CO₂Alk₂, C(O)alkyl, CONHHet₂; Alk₂ = (un)substituted alkyl or aryl; Het₂ = (un)substituted 4/5/6-membered heterocycloalkyl; R₁ = (un)substituted (hetero)aryl or (hetero)cycloalkyl; R₂, R₃ = H or a hydrogen atom precursor, or salts, solvates, hydrates, protected derivs. and N-oxides thereof], a process for their preps., and the use thereof as intermediates in the manufacture of certain p38 MAP kinase inhibitors. For example, 2-cyano-N-phenylthioacetamide was treated with N,N-dimethyluracil to give crude thiolate II containing about 20% ethanol, which was directly refluxed with chloroacetonitrile in acetonitrile for 2 h to afford amine III. This compound underwent diazotization and subsequent halide displacement with tert-butyl nitrite and CuBr₂, leading to bromide IV. Pd-catalyzed N-alkylation of III with bromobenzene or amination of IV with aniline yielded V. Conversion of this product to the corresponding carboxamide was realized by the hydrolysis of the cyano group in the presence of NaOH-H₂O-Ethanol system.

IT 639479-32-6P, 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639479-36-0P,
 7-(2-Chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639479-45-1P,
 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639480-55-0P,
 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 817177-54-1P

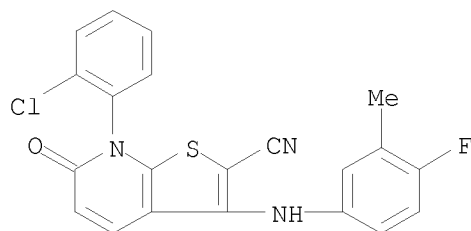
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

RN 639479-32-6 CAPLUS

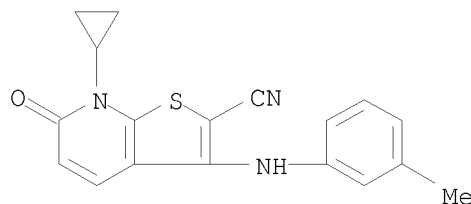
CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



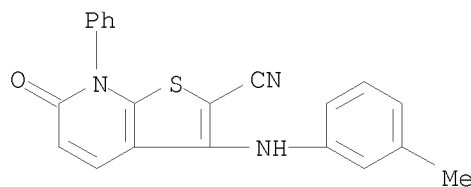
RN 639479-36-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



RN 639479-45-1 CAPLUS
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 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
 NAME)

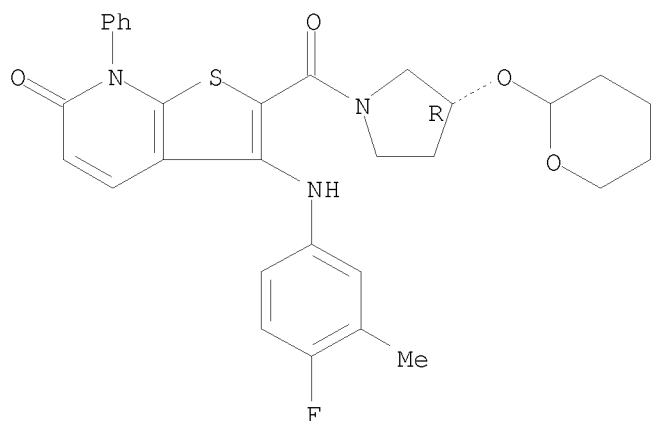


RN 639480-55-0 CAPLUS
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 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)

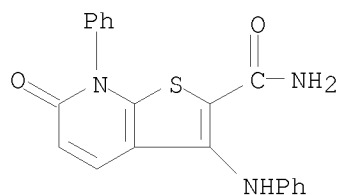


RN 817177-54-1 CAPLUS
 CN Thieno[2,3-b]pyridine-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-
 phenyl-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]-
 (CA INDEX NAME)

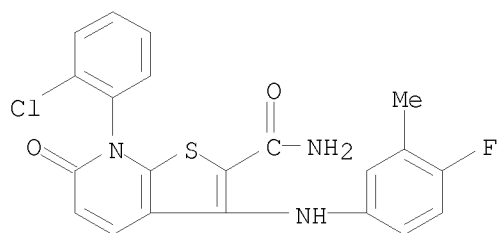
Absolute stereochemistry.



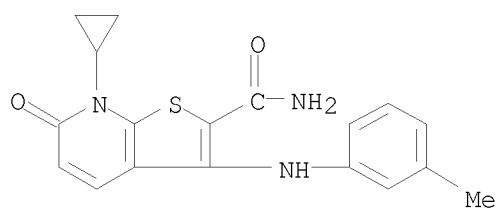
IT 639479-29-1P, 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639479-37-1P,
 7-(2-Chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639479-46-2P,
 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639480-85-6P,
 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639481-18-8P,
 7-Phenyl-3-phenylamino-2-[(pyrrolidin-1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 639481-20-2P,
 2-[(4-Ethylpiperazin-1-yl)carbonyl]-7-phenyl-3-phenylamino-7H-thieno[2,3-b]pyridin-6-one 816424-17-6P,
 (S)-3-(4-Fluoro-3-methylphenylamino)-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 816424-21-2P
 , (R)-3-(4-Fluoro-3-methylphenylamino)-2-[(3-hydroxypyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)
 RN 639479-29-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



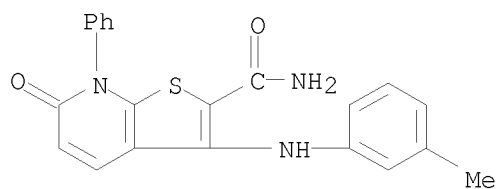
RN 639479-37-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



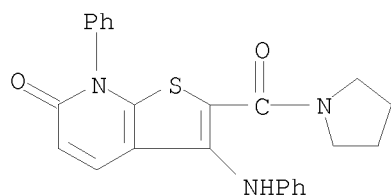
RN 639479-46-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



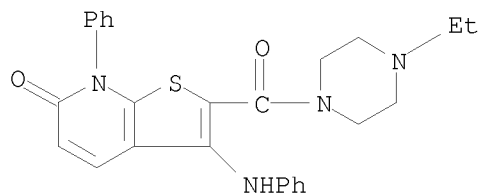
RN 639480-85-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-18-8 CAPLUS
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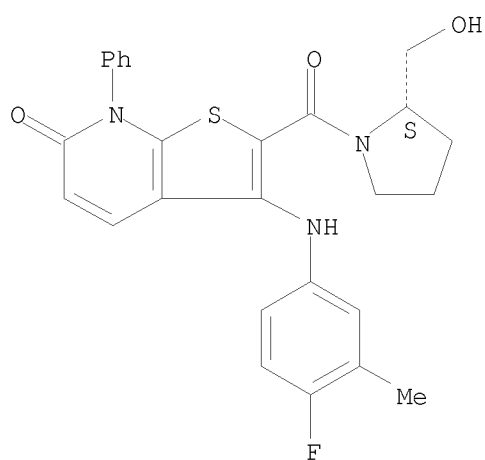
RN 639481-20-2 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[2-(2-(hydroxymethyl)-1-pyrrolidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)

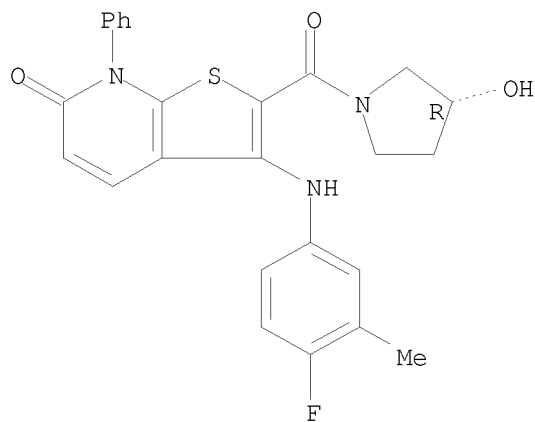
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[2-(2-(hydroxymethyl)-1-pyrrolidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154721 CAPLUS
DOCUMENT NUMBER: 142:93796
TITLE: Preparation of thienopyridone derivatives as p38 MAPK inhibitors
INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John
PATENT ASSIGNEE(S): Celltech R & D Limited, UK
SOURCE: PCT Int. Appl., 90 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113348	A1	20041229	WO 2004-GB2644	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249498	A1	20041229	AU 2004-249498	20040618
CA 2528603	A1	20041229	CA 2004-2528603	20040618
EP 1638979	A1	20060329	EP 2004-742997	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
JP 2007516162	T	20070621	JP 2006-516453	20040618
US 20060247269	A1	20061102	US 2006-561050	20060629
PRIORITY APPLN. INFO.:			GB 2003-14490	A 20030620
			GB 2003-29495	A 20031219
			WO 2004-GB2644	W 20040618
OTHER SOURCE(S):	MARPAT 142:93796			
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

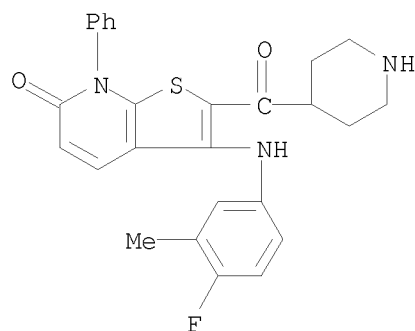
AB Title compds. I [wherein X = covalent bond, NH or N(alkyl); Y = C(O) or S(O)2; A = (CH2)q; B = (CH2)m; n = 0 or 1; m = 1-3; p = 0-4; q = 0-2; R = (un)substituted OH, alkoxy or amino; L = O, S, S(O), S(O)2 or CH2, CHR or CR2, NH or N(alkyl); ALK1 = alkylene; Cyl = (un)substituted (hetero)cycle or (hetero)aryl; Ar = (un)substituted (hetero)aryl; or salts, solvates, hydrates and N-oxides thereof] were prepared as p38 MAPK inhibitors. For example, II was synthesized in several steps from Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given), via amination with 2,4-difluoroaniline, ester hydrolysis, carboxy group activation with pentafluorophenol and coupling with cis-2-aminocyclopentanol hydrochloride. Example compds. had IC50 values of around 1 μ M and below for human p38 α kinase. Therefore, I and pharmaceutical compns. thereof are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816464-58-1P, 3-[(4-Fluoro-3-methylphenyl)amino]-7-phenyl-2-

[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 816464-58-1 CAPLUS

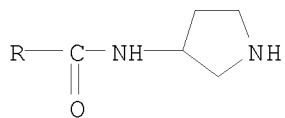
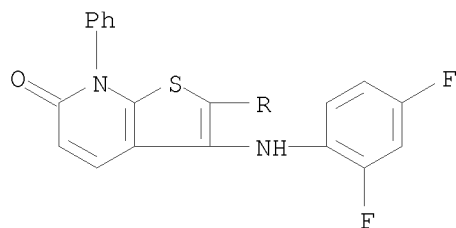
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



IT 639481-27-9P 816464-52-5P 816464-53-6P
 816464-54-7P, 3-[(2,4-Difluorophenyl)amino]-N-((1S,2S)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-55-8P,
 3-[(2,4-Difluorophenyl)amino]-N-((1R,2R)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-56-9P
 816464-57-0P, 3-Anilino-7-phenyl-2-(piperidin-4-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 816464-59-2P,
 N-(Azetidin-3-yl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-60-5P
 816464-61-6P 816464-62-7P 816464-63-8P,
 3-[(2,4-Difluorophenyl)amino]-6-oxo-7-phenyl-N-(piperidin-4-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-64-9P,
 3-[(2,4-Difluorophenyl)amino]-N-(1-methylpiperidin-4-yl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-65-0P,
 3-[(2,4-Difluorophenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-66-1P,
 3-[(6-Methylpyridin-2-yl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-67-2P,
 3-[(4-Fluoro-3-methylphenyl)amino]-2-[(1-methylpiperidin-4-yl)carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

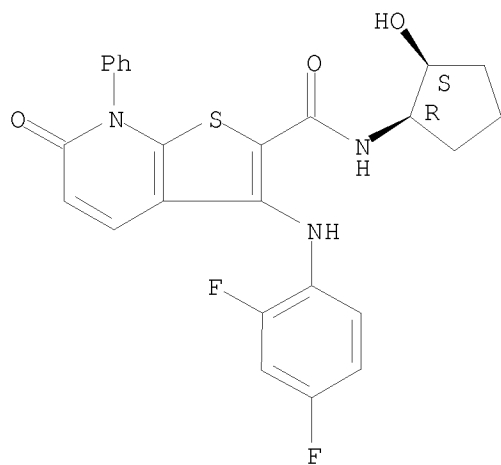
RN 639481-27-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
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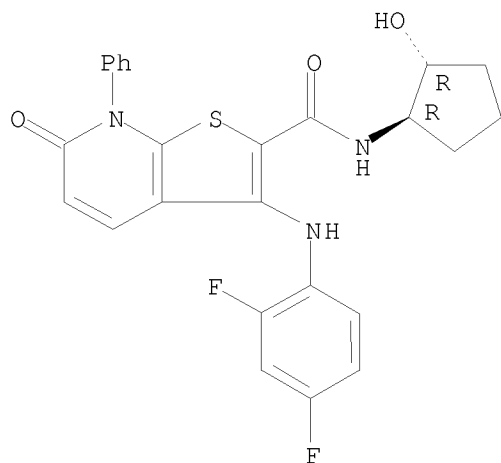
RN 816464-52-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2S)-2-hydroxycyclopentyl]-
 6-oxo-7-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.



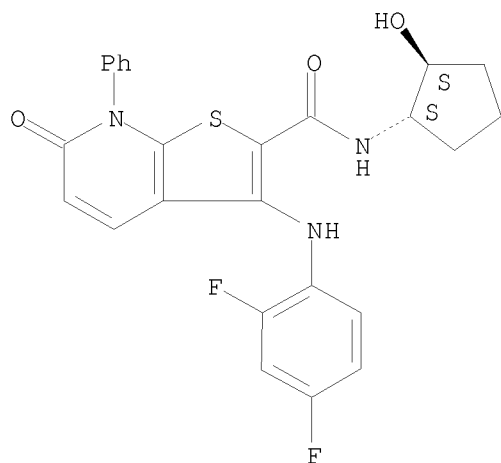
RN 816464-53-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-
 6-oxo-7-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.



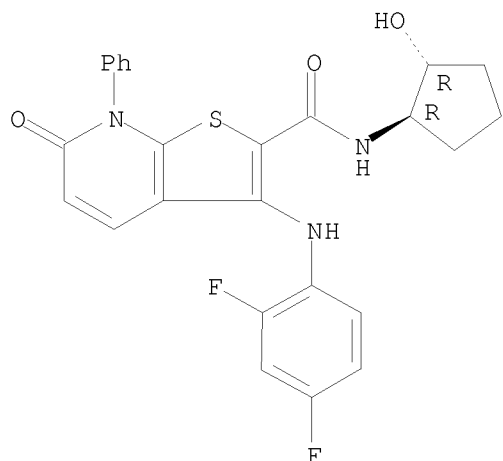
RN 816464-54-7 CAPLUS
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 6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



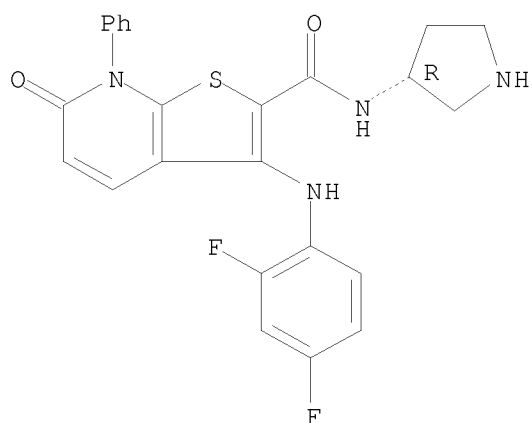
RN 816464-55-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-
 6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.

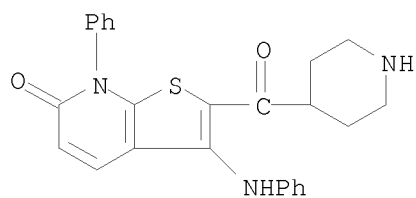


RN 816464-56-9 CAPLUS
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 pyrrolidinyl- (CA INDEX NAME)

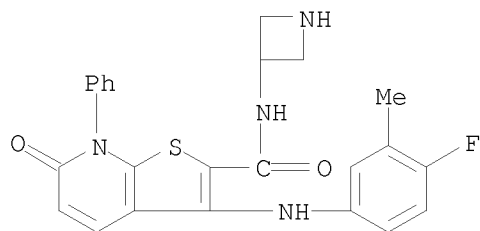
Absolute stereochemistry.



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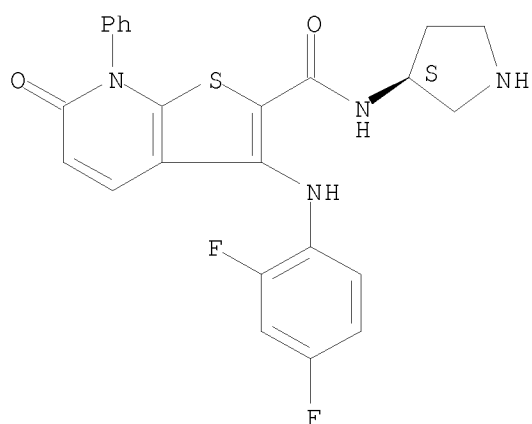


RN 816464-59-2 CAPLUS
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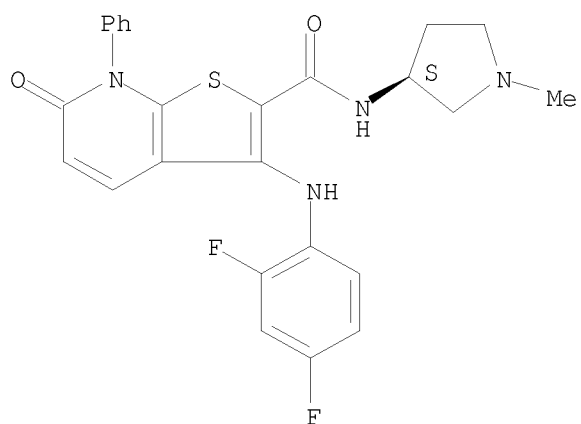
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 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3S)-3-
 pyrrolidinyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816464-61-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
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 6-oxo-7-phenyl- (CA INDEX NAME)

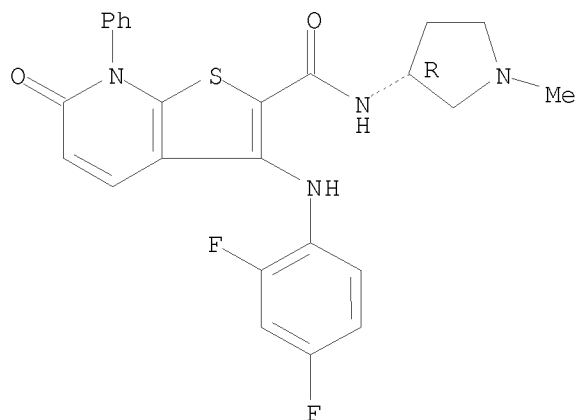
Absolute stereochemistry.



RN 816464-62-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
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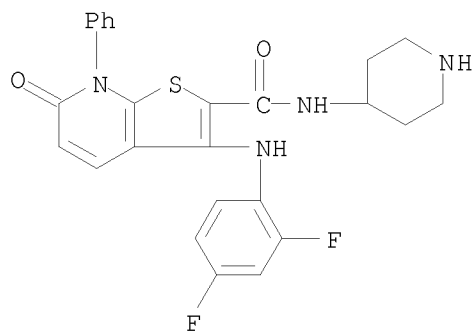
6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



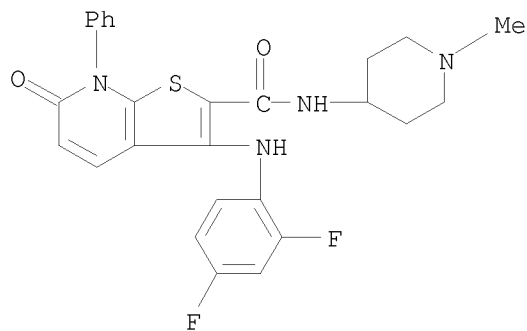
RN 816464-63-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-4-piperidinyl-
(CA INDEX NAME)



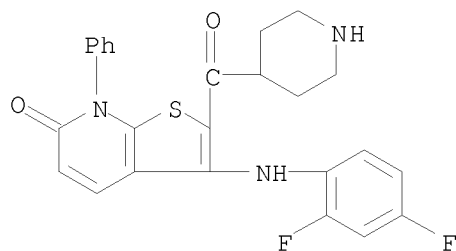
RN 816464-64-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(1-methyl-4-piperidinyl)-6-oxo-
7-phenyl- (CA INDEX NAME)



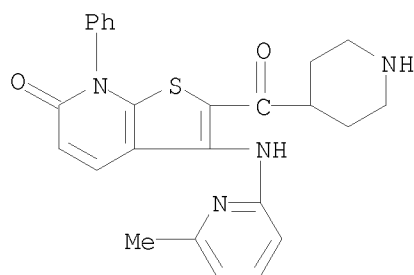
RN 816464-65-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



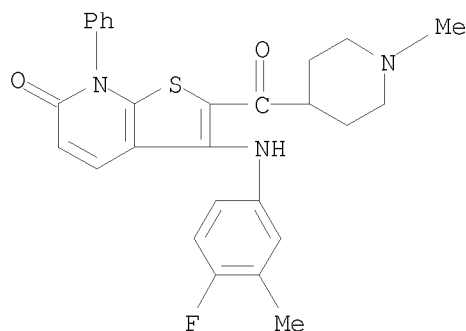
RN 816464-66-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(6-methyl-2-pyridinyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-67-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(1-methyl-4-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



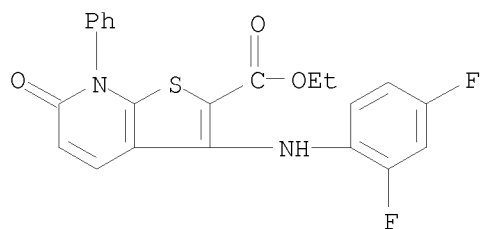
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dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-66-5P, Lithium
 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-
 b]pyridine-2-carboxylate 816464-41-2P, Tert-Butyl
 (3R)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-
 dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate
 816464-45-6P, Tert-Butyl (3S)-3-[[[3-[(2,4-difluorophenyl)amino]-6-
 oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-
 yl]carbonyl]amino]pyrrolidine-1-carboxylate 816464-46-7P,
 Tert-Butyl 4-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-
 dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]piperidine-1-carboxylate
 816464-50-3P, Benzyl 4-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-
 phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]piperidine-1-
 carboxylate 816464-51-4P, Benzyl
 4-[[[3-[(6-methylpyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-
 b]pyridin-2-yl]carbonyl]piperidine-1-carboxylate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 MAPK inhibitors)

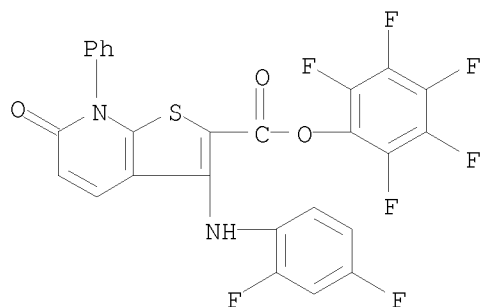
RN 639479-24-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
 (CA INDEX NAME)



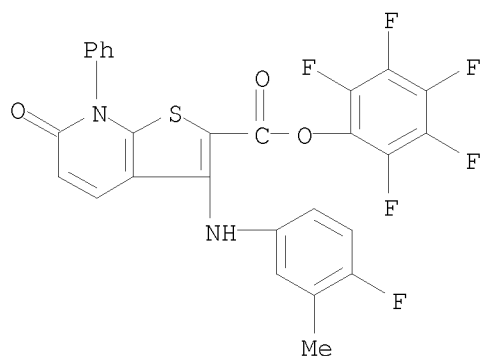
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



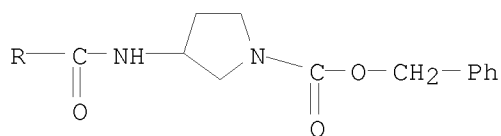
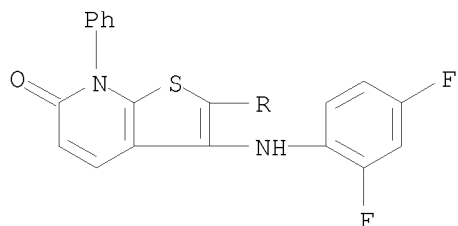
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



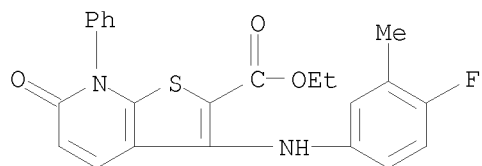
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



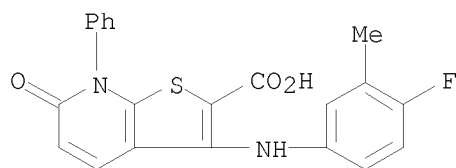
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)

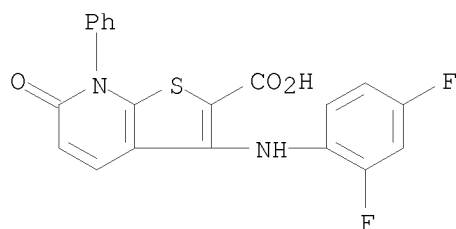


RN 816424-65-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)

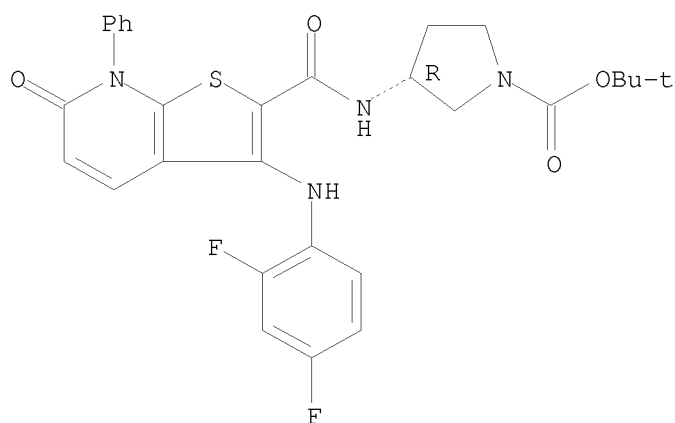


RN 816424-66-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt
 (1:1) (CA INDEX NAME)



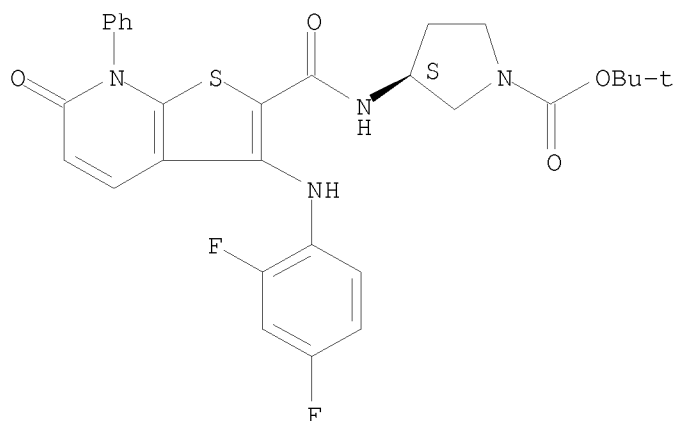
RN 816464-41-2 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-
 dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-,
 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

Absolute stereochemistry.



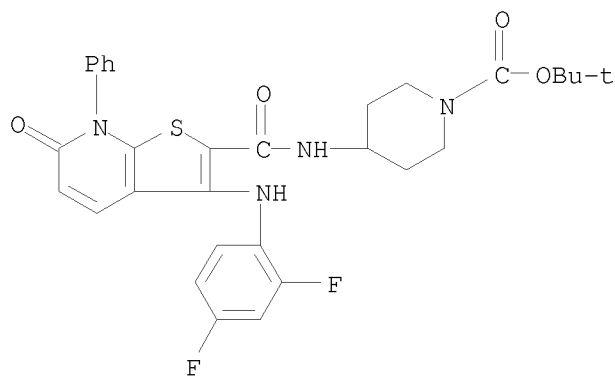
RN 816464-45-6 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-
 dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-,
 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



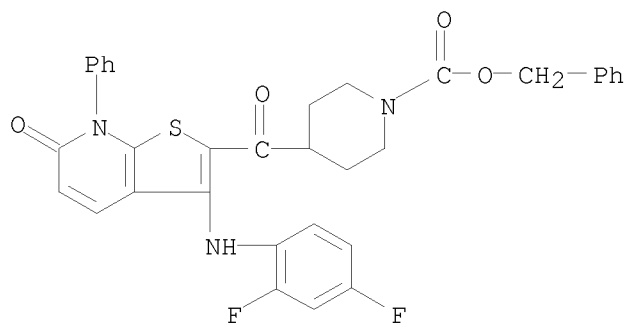
RN 816464-46-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 816464-50-3 CAPLUS

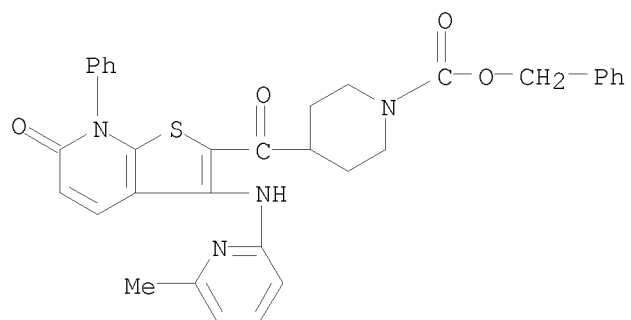
CN 1-Piperidinecarboxylic acid, 4-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



RN 816464-51-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)

phenylmethyl ester (CA INDEX NAME)



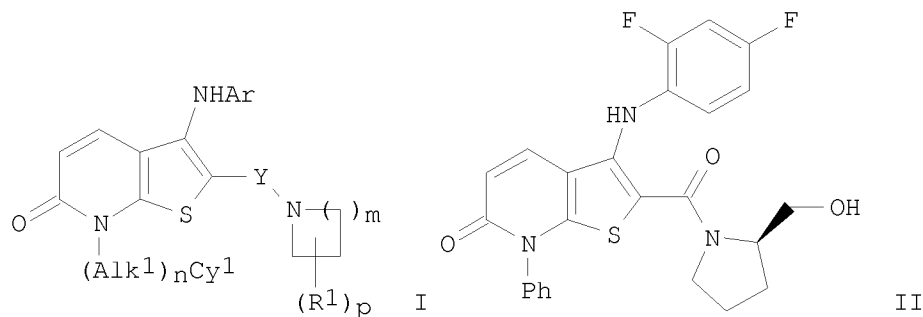
REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2004:1154720 CAPLUS
 DOCUMENT NUMBER: 142:93795
 TITLE: Preparation of thienopyridone derivatives as
 p38 α kinase inhibitors
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;
 Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 129 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113347	A1	20041229	WO 2004-GB2621	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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CA 2528602	A1	20041229	CA 2004-2528602	20040618
EP 1641804	A1	20060405	EP 2004-742976	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004010653	A	20060704	BR 2004-10653	20040618
CN 1809575	A	20060726	CN 2004-80017320	20040618
JP 2007516161	T	20070621	JP 2006-516443	20040618
MX 2005PA13227	A	20060309	MX 2005-PA13227	20051206
IN 2005DN05823	A	20080201	IN 2005-DN5823	20051214
KR 2006021905	A	20060308	KR 2005-724352	20051219
NO 2006000279	A	20060320	NO 2006-279	20060119
US 20070099894	A1	20070503	US 2006-561052	20061010
PRIORITY APPLN. INFO.:			GB 2003-14492	A 20030620
			GB 2003-29485	A 20031219
			WO 2004-GB2621	W 20040618
OTHER SOURCE(S):			CASREACT 142:93795; MARPAT 142:93795	
GI				



AB Title compds. I [Y = linking group CO, SO₂; n = 0-1; m, p = 1-4; R₁ = OH, alkylene-OH, alkoxy, etc.; Alk₁ = alkylene; Cy₁ = cycloaliph., aromatic, heteroarom., etc.; Ar = (un)substituted (hetero)aromatic, etc.] are prepared For instance, 3-Bromo-7-phenyl-2-[[[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy)methyl]pyrrolidin-1-yl]carbonyl]thieno[2,3-b]pyridin-6(7H)-one (preparation given) is coupled to 2,4-difluoroaniline (PhMe, Cs₂CO₃, BINAP, Pd₂(dba)₃, reflux 48 h) and the resulting product deprotected with HCl to give II. All compds. inhibit p38 kinase with IC₅₀ of 1 μM or less. I are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816423-93-5P 816423-94-6P 816423-95-7P
 816423-96-8P 816423-97-9P 816423-98-0P
 816423-99-1P 816424-00-7P 816424-01-8P
 816424-02-9P 816424-03-0P 816424-04-1P
 816424-05-2P 816424-06-3P 816424-07-4P
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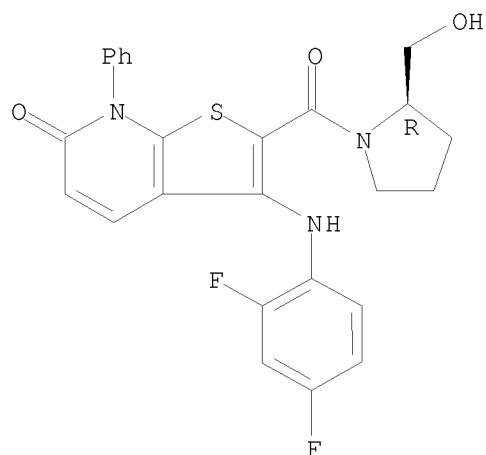
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thienopyridone derivs. as p38α kinase inhibitors)

RN 816423-93-5 CAPLUS

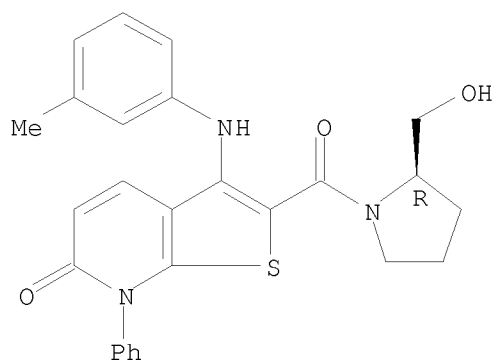
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



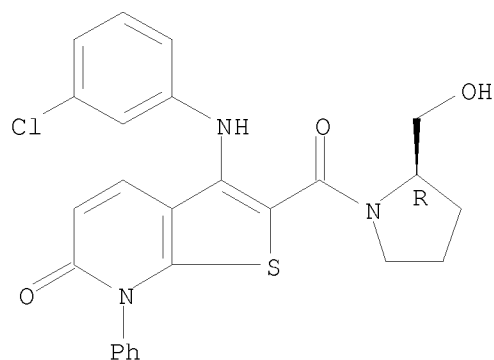
RN 816423-94-6 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



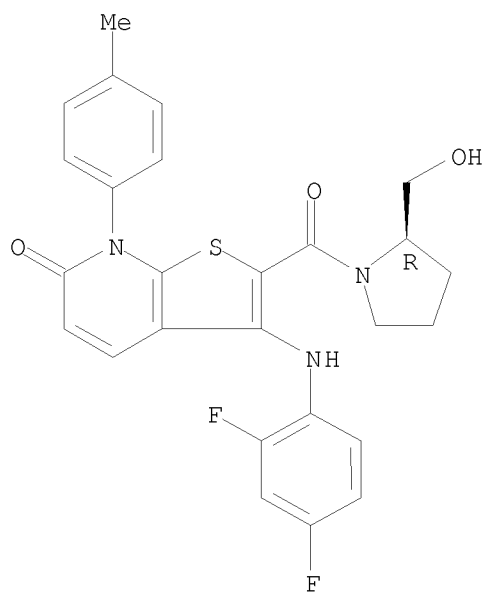
RN 816423-95-7 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



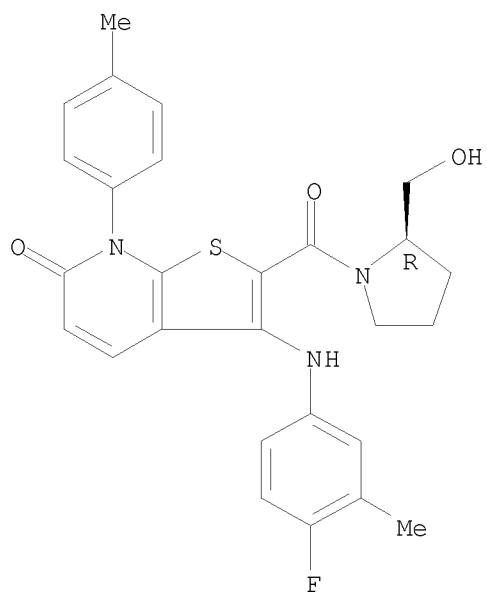
RN 816423-96-8 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



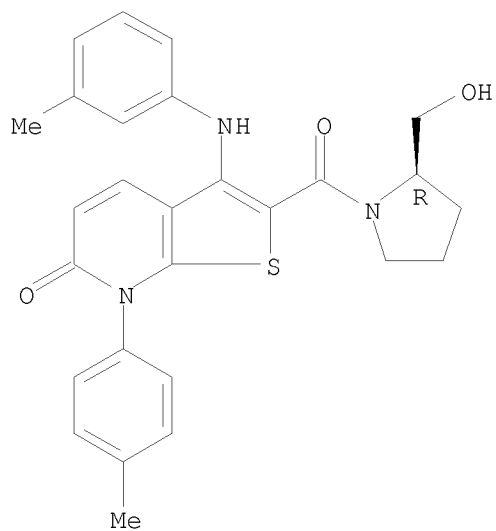
RN 816423-97-9 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
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 INDEX NAME)

Absolute stereochemistry.



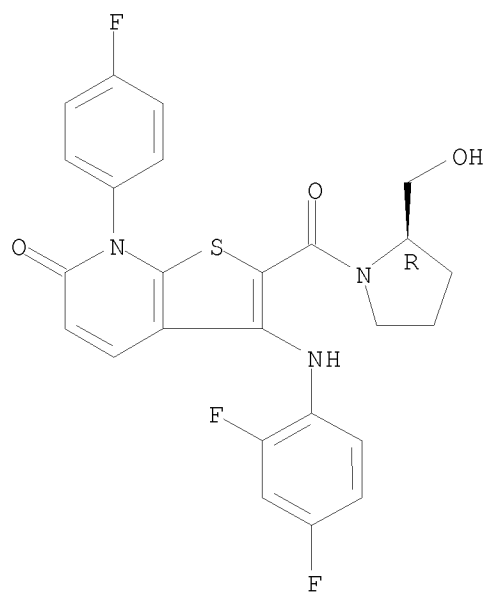
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 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-
 pyrrolidinyl]carbonyl]-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]- (CA
 INDEX NAME)

Absolute stereochemistry.



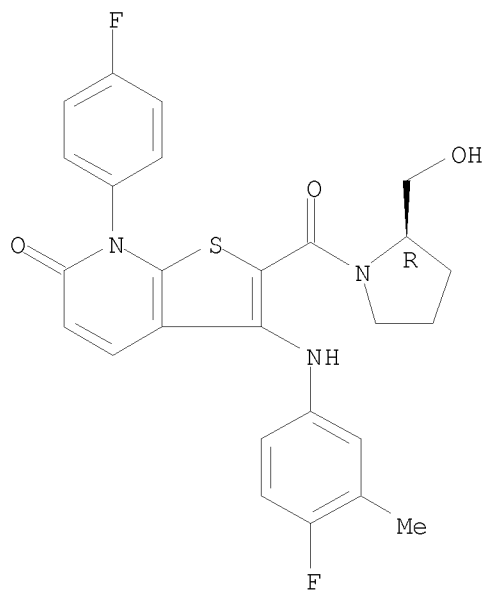
RN 816423-99-1 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-00-7 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

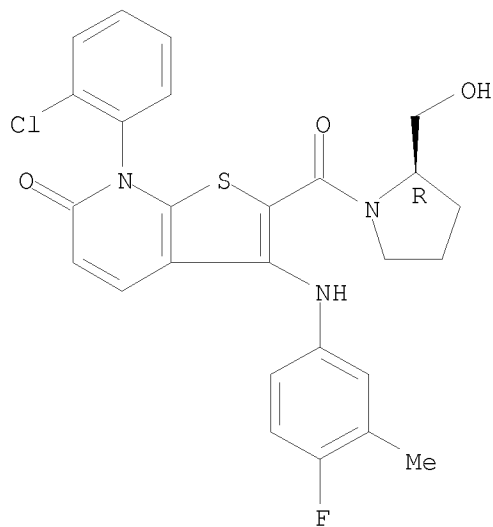
Absolute stereochemistry.



RN 816424-01-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-(CA INDEX NAME)

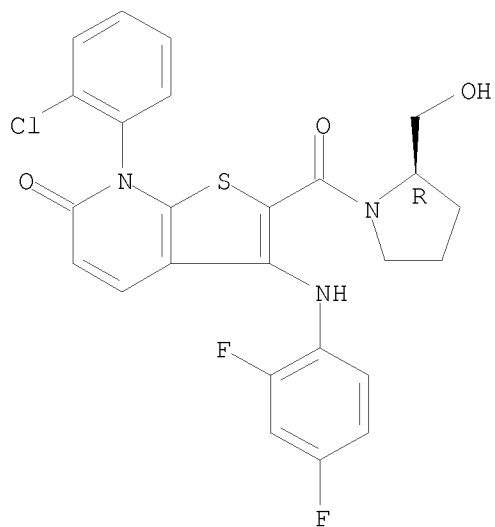
Absolute stereochemistry.



RN 816424-02-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-(CA INDEX NAME)

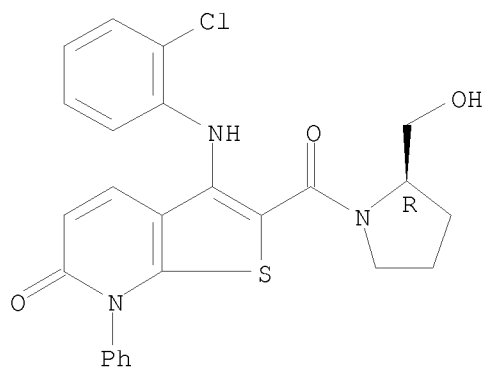
Absolute stereochemistry.



RN 816424-03-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[[2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

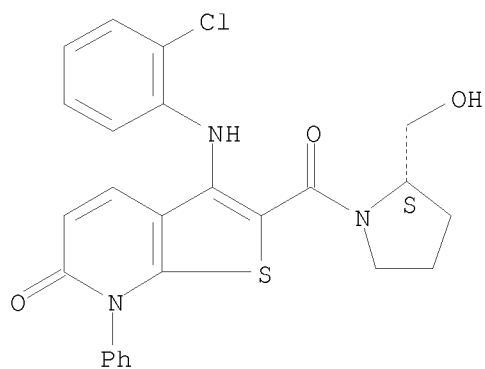
Absolute stereochemistry.



RN 816424-04-1 CAPLUS

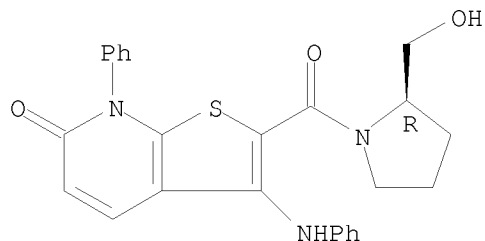
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[[2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



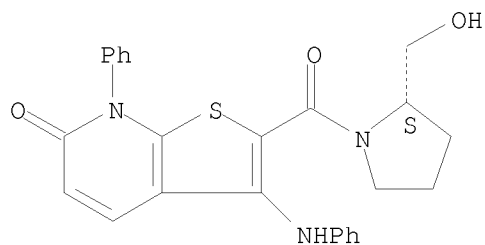
RN 816424-05-2 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



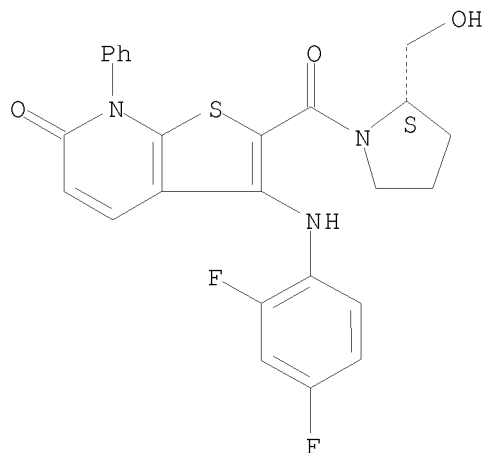
RN 816424-06-3 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



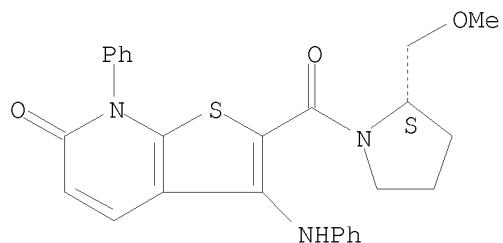
RN 816424-07-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



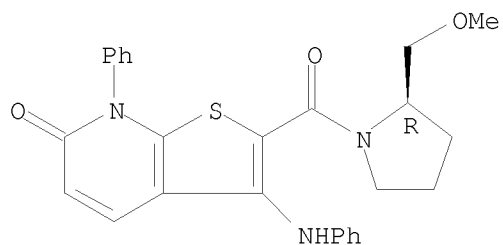
RN 816424-08-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



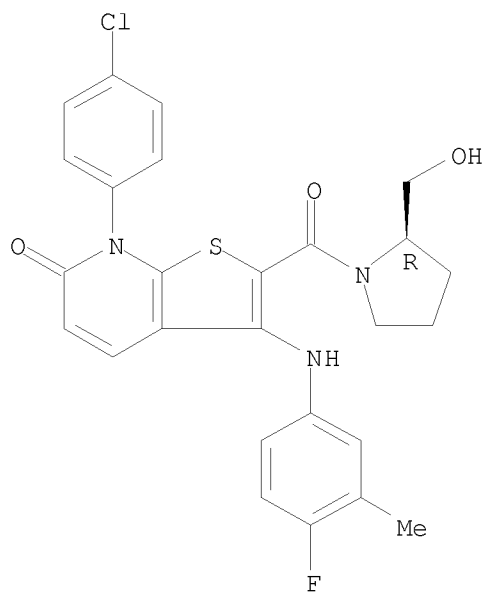
RN 816424-09-6 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-10-9 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

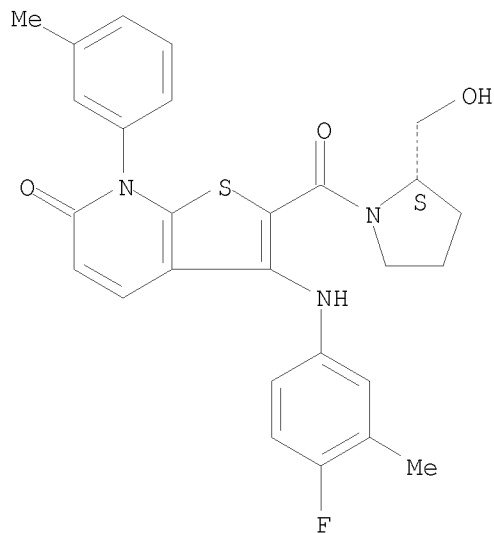
Absolute stereochemistry.



RN 816424-11-0 CAPLUS

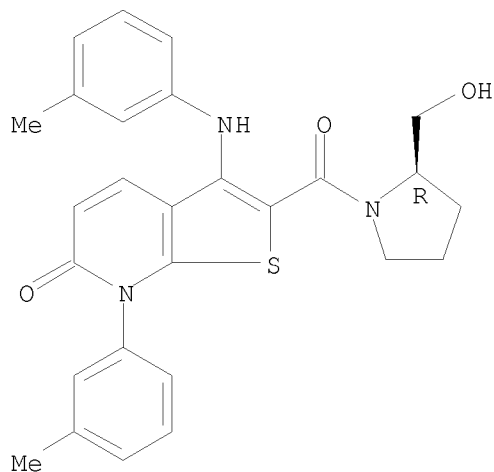
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA
 INDEX NAME)

Absolute stereochemistry.



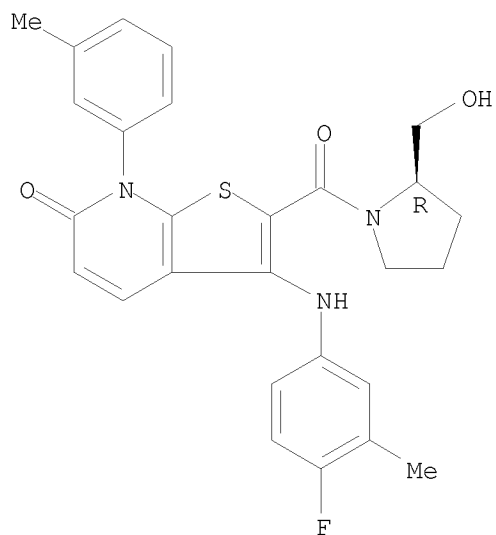
RN 816424-12-1 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[2-(hydroxymethyl)-1-
 pyrrolidinyl]carbonyl]-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]- (CA
 INDEX NAME)

Absolute stereochemistry.



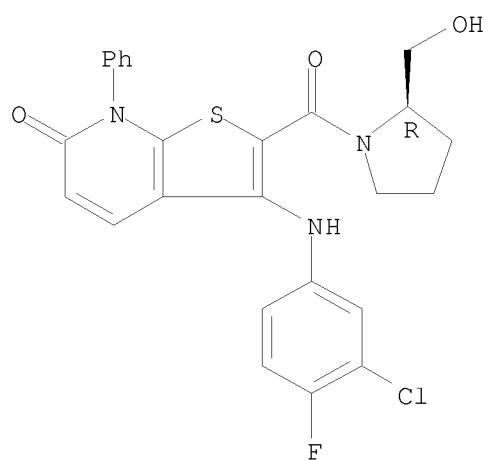
RN 816424-13-2 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA
 INDEX NAME)

Absolute stereochemistry.



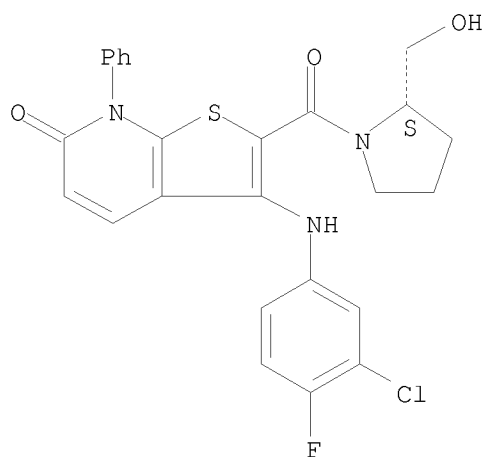
RN 816424-14-3 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-
 [[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX
 NAME)

Absolute stereochemistry.



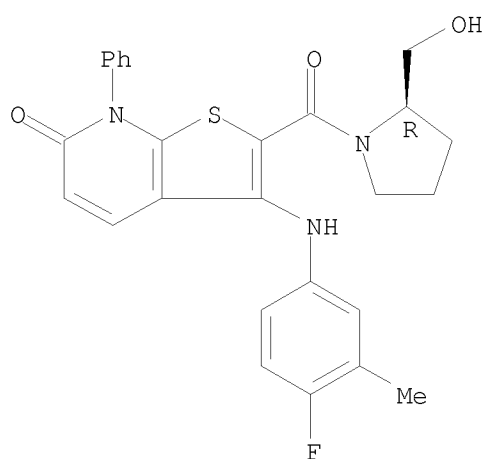
RN 816424-15-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-
 [[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX
 NAME)

Absolute stereochemistry.



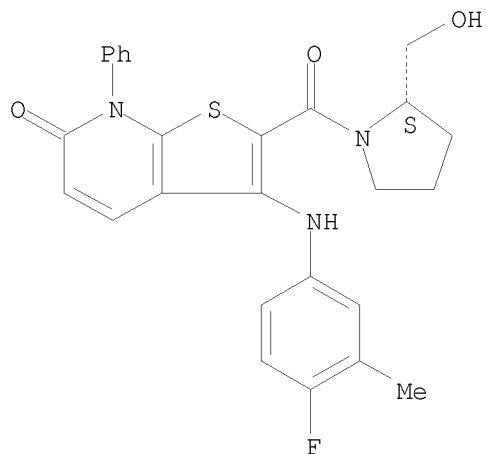
RN 816424-16-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX
 NAME)

Absolute stereochemistry.



RN 816424-17-6 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX
 NAME)

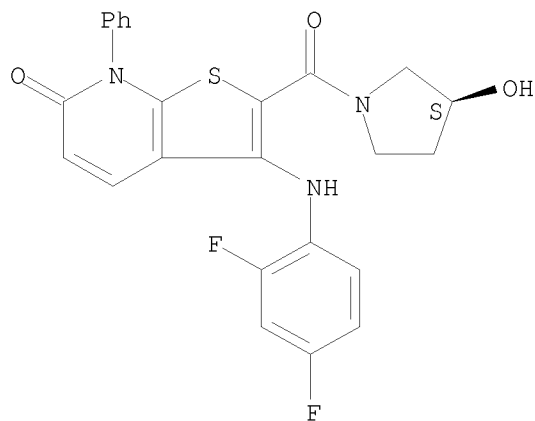
Absolute stereochemistry.



RN 816424-18-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

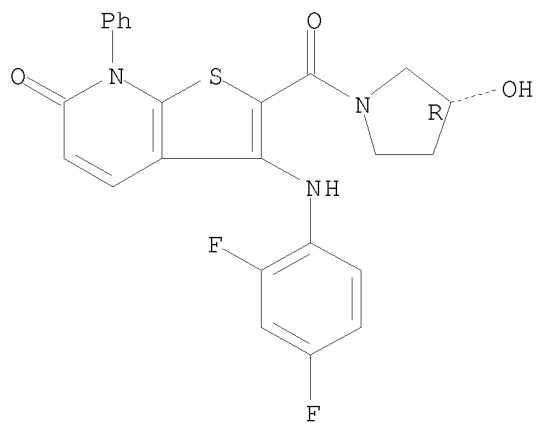
Absolute stereochemistry.



RN 816424-19-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

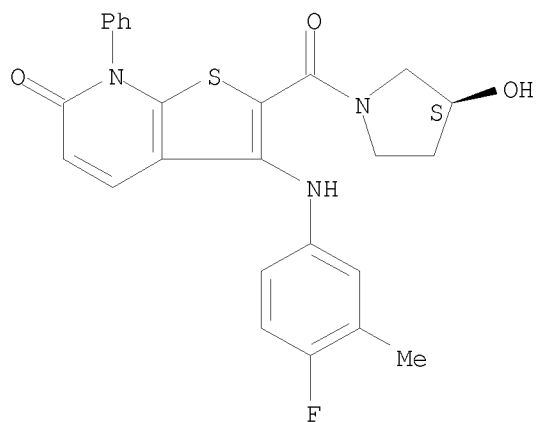
Absolute stereochemistry.



RN 816424-20-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

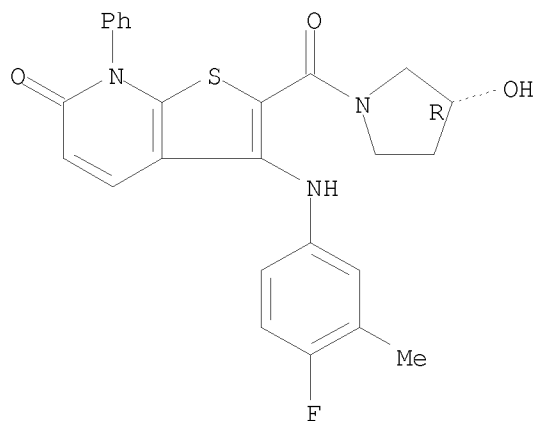
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

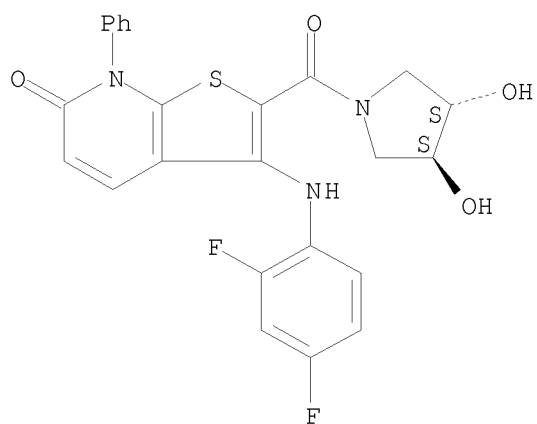
Absolute stereochemistry.



RN 816424-22-3 CAPLUS

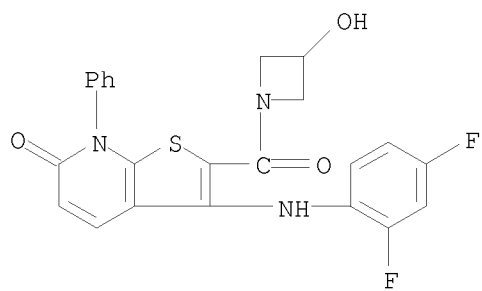
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-23-4 CAPLUS

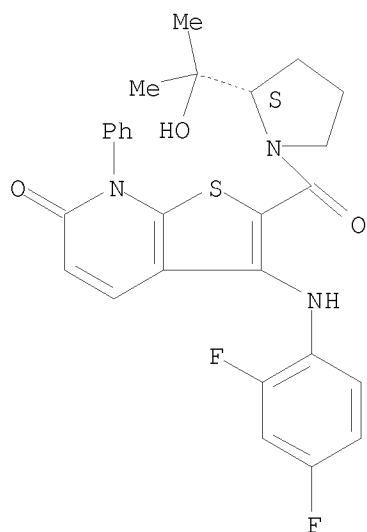
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-azetidiny]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-24-5 CAPLUS

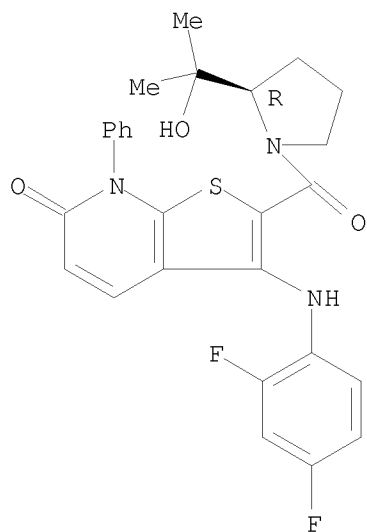
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2S)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



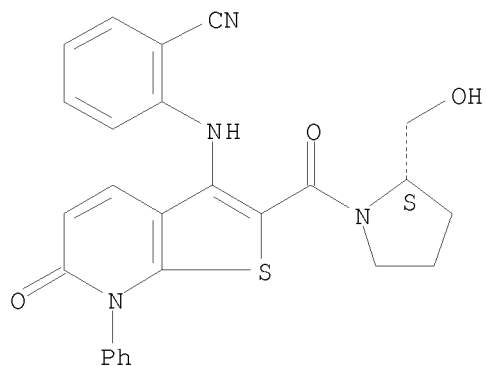
RN 816424-25-6 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-26-7 CAPLUS
 CN Benzonitrile, 2-[[6,7-dihydro-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

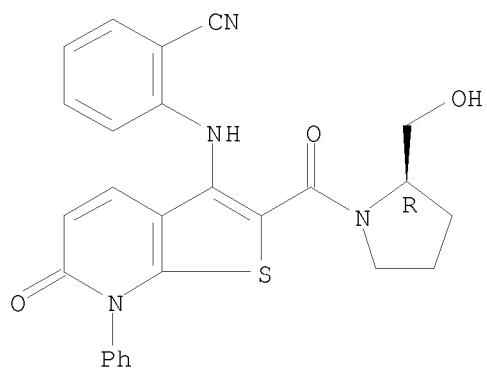
Absolute stereochemistry.



RN 816424-27-8 CAPLUS

CN Benzonitrile, 2-[[6,7-dihydro-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

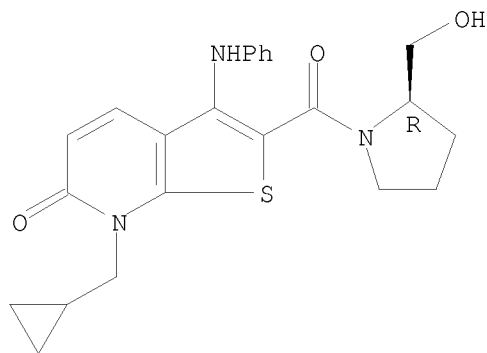
Absolute stereochemistry.



RN 816424-28-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(cyclopropylmethyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-(phenylamino)- (CA INDEX NAME)

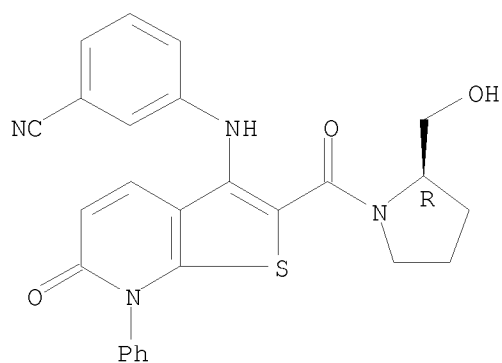
Absolute stereochemistry.



RN 816424-29-0 CAPLUS

CN Benzonitrile, 3-[[6,7-dihydro-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

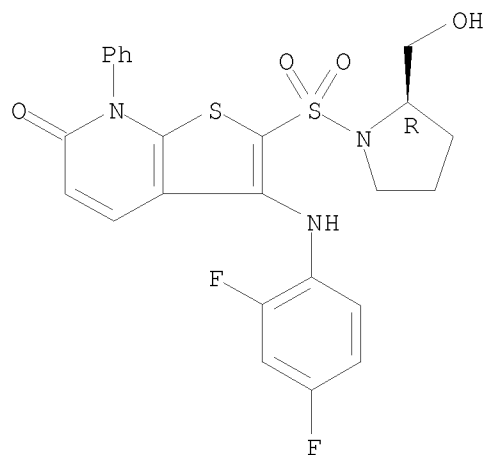
Absolute stereochemistry.



RN 816424-30-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]sulfonyl]-7-phenyl- (CA INDEX NAME)

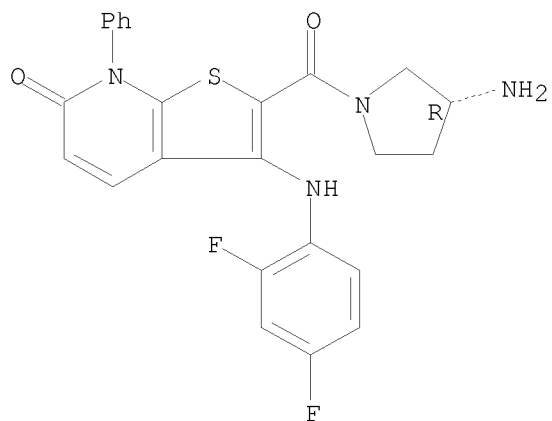
Absolute stereochemistry.



RN 816424-31-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

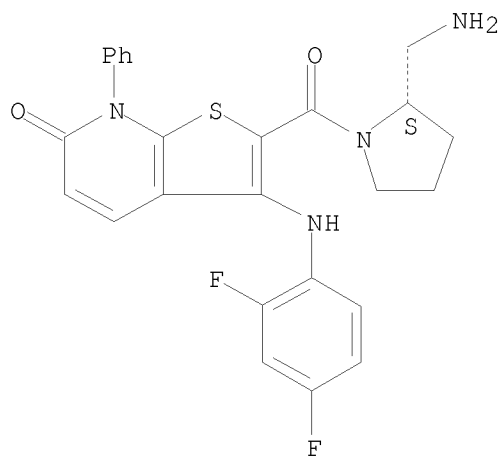
Absolute stereochemistry.



RN 816424-32-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

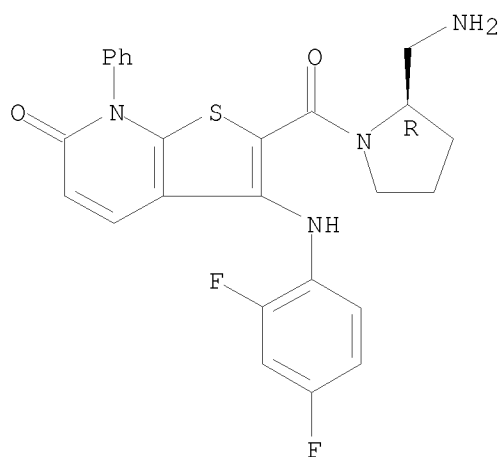
Absolute stereochemistry.



RN 816424-33-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

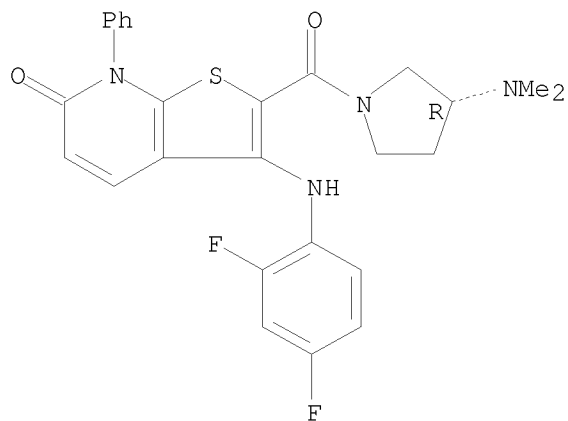
Absolute stereochemistry.



RN 816424-34-7 CAPLUS

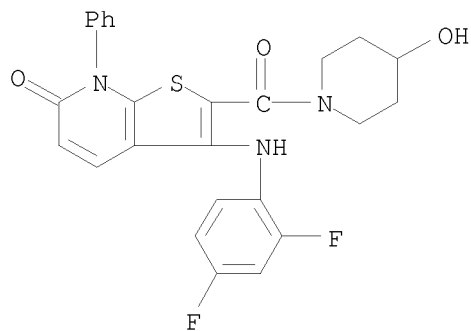
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



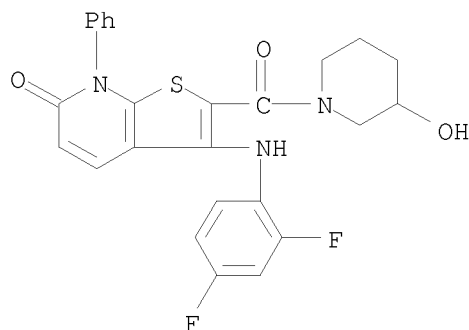
RN 816424-35-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-36-9 CAPLUS

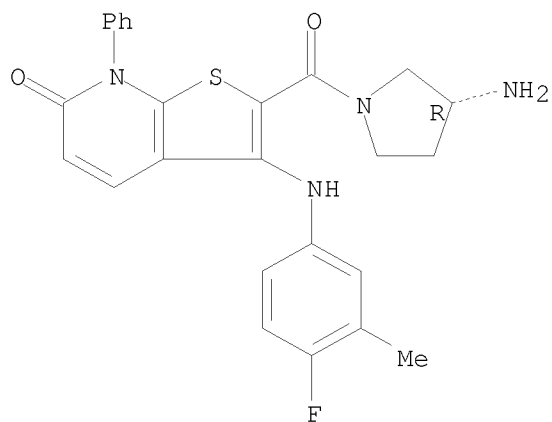
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-37-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

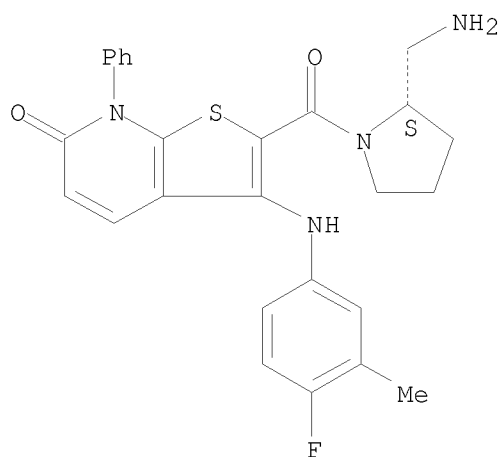
Absolute stereochemistry.



RN 816424-38-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

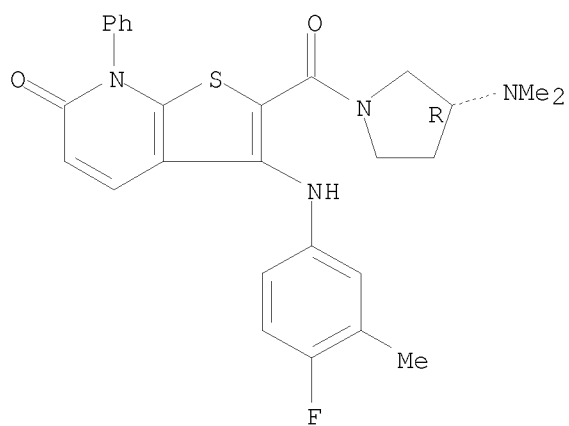
Absolute stereochemistry.



RN 816424-39-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

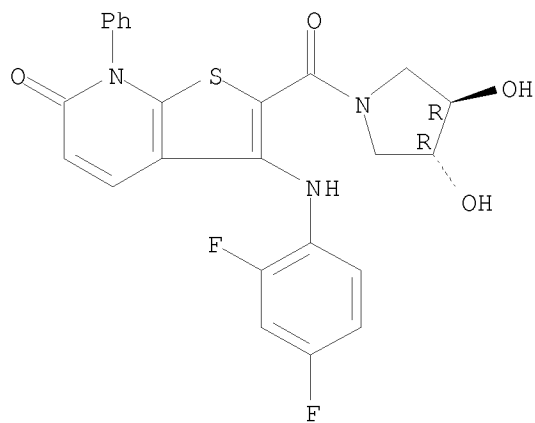
Absolute stereochemistry.



RN 816424-40-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R,4R)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

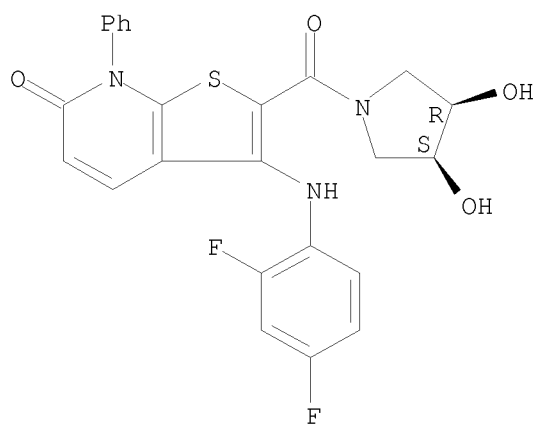
Absolute stereochemistry.



RN 816424-41-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl-, rel- (CA INDEX NAME)

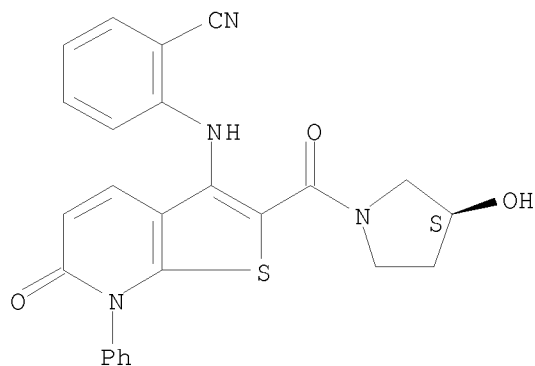
Relative stereochemistry.



RN 816424-42-7 CAPLUS

CN Benzonitrile, 2-[[6,7-dihydro-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

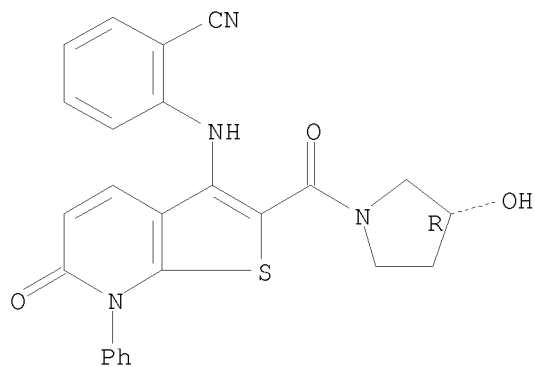
Absolute stereochemistry.



RN 816424-43-8 CAPLUS

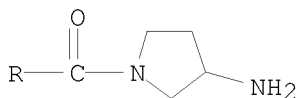
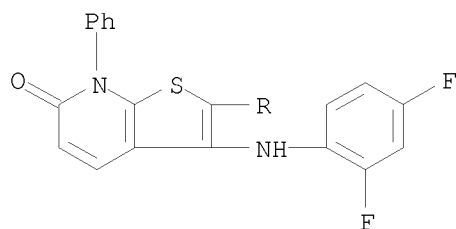
CN Benzonitrile, 2-[[6,7-dihydro-2-[[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-44-9 CAPLUS

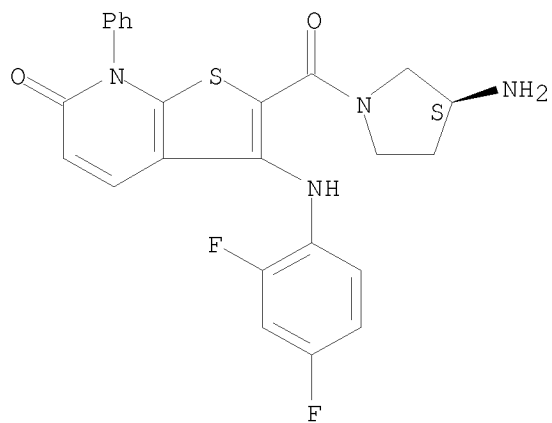
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-pyrrolidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



RN 816424-45-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

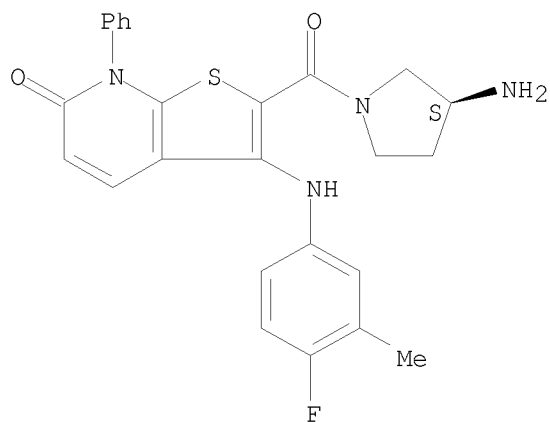
Absolute stereochemistry.



RN 816424-46-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

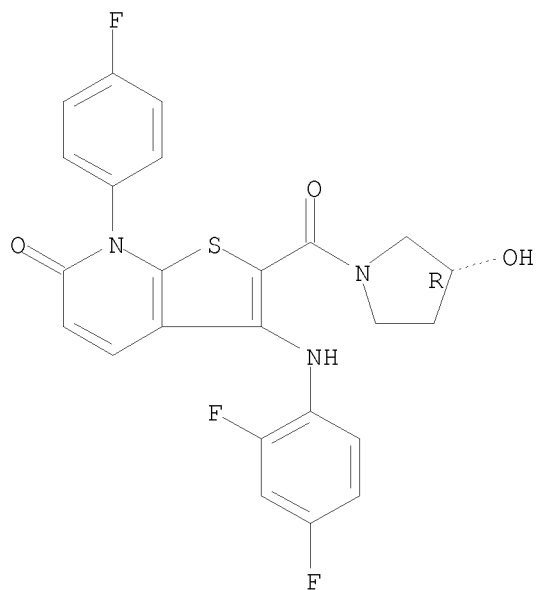
Absolute stereochemistry.



RN 816424-47-2 CAPLUS

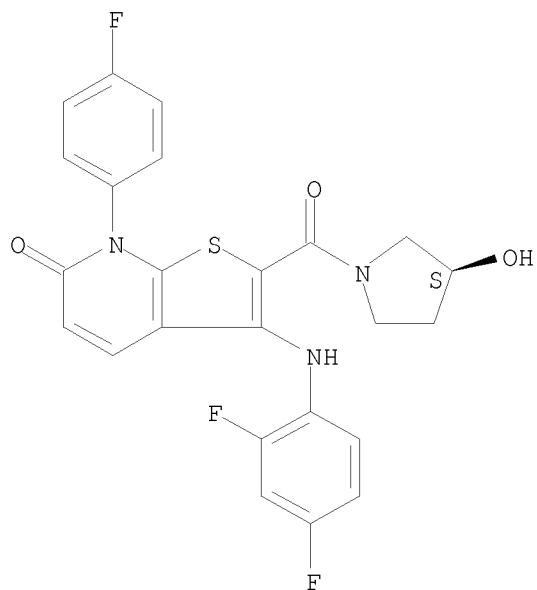
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



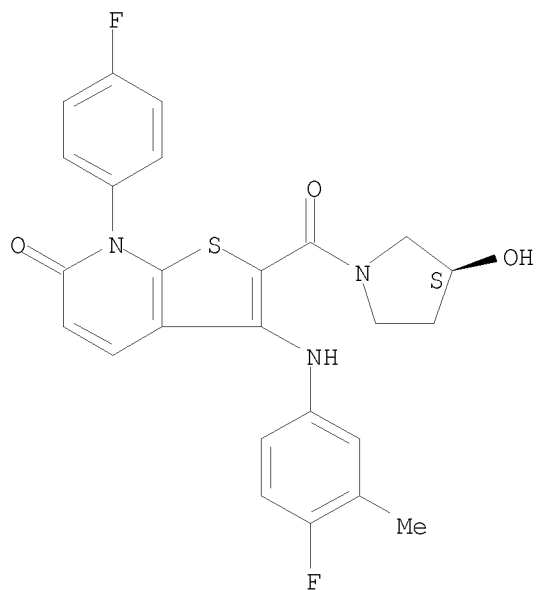
RN 816424-48-3 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



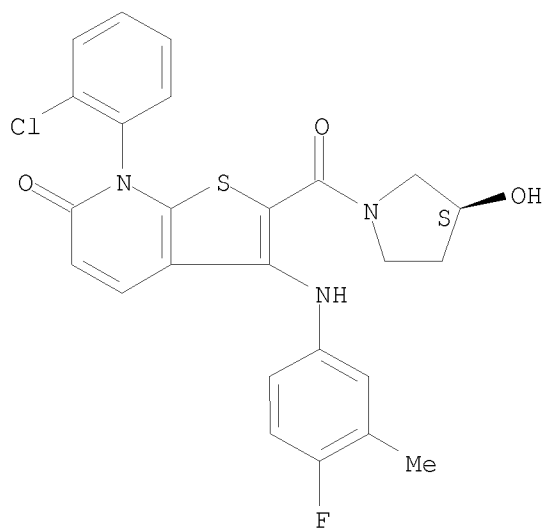
RN 816424-49-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



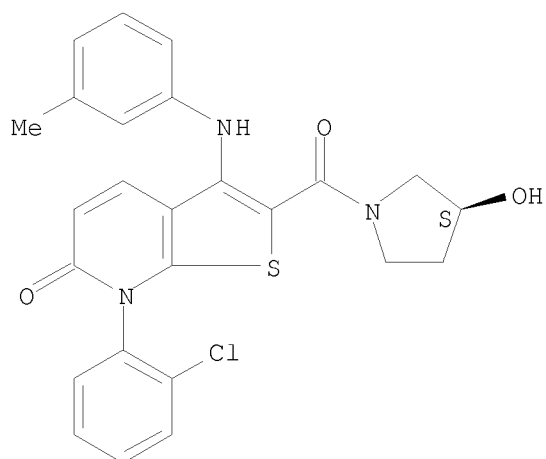
RN 816424-50-7 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-51-8 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

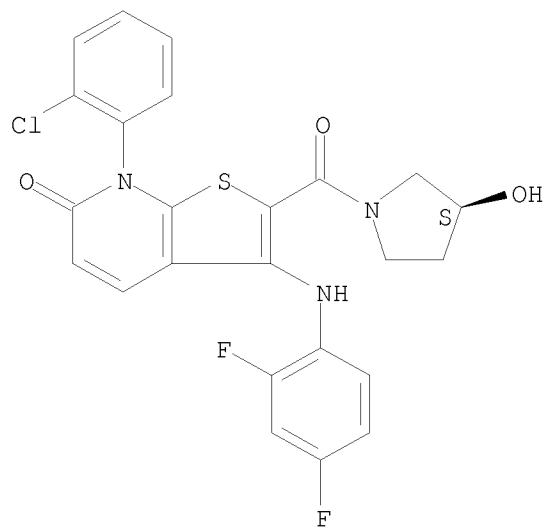
Absolute stereochemistry.



RN 816424-52-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

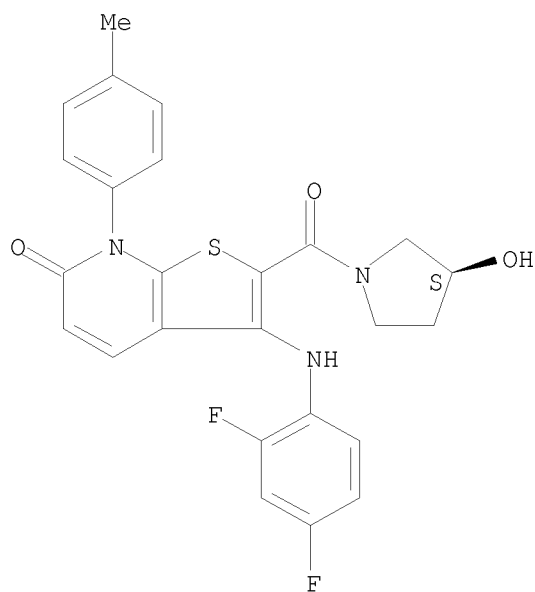
Absolute stereochemistry.



RN 816424-53-0 CAPLUS

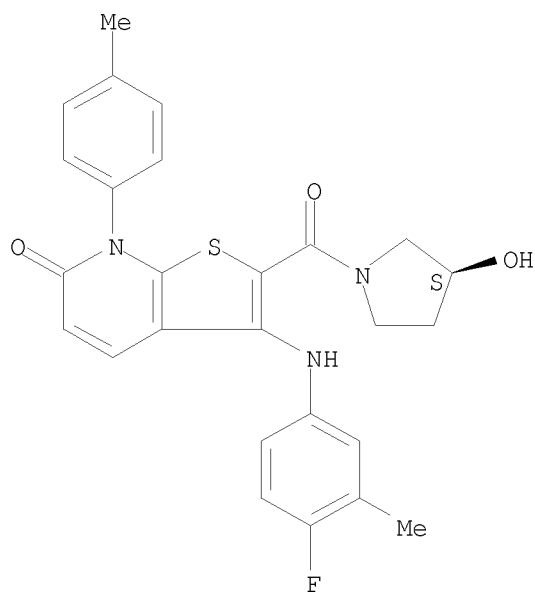
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



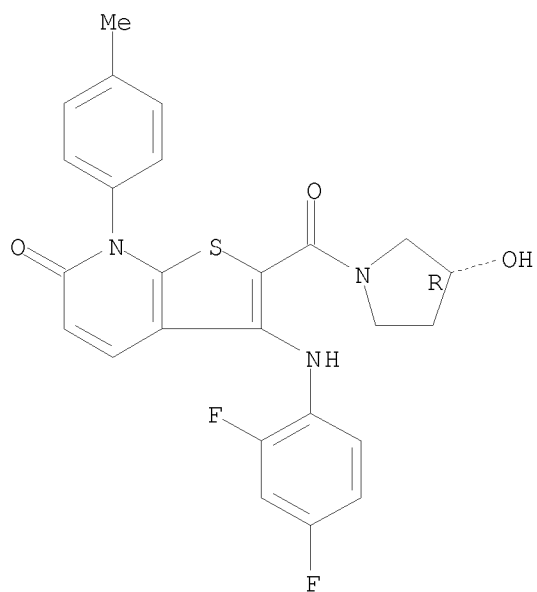
RN 816424-54-1 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX
 NAME)

Absolute stereochemistry.



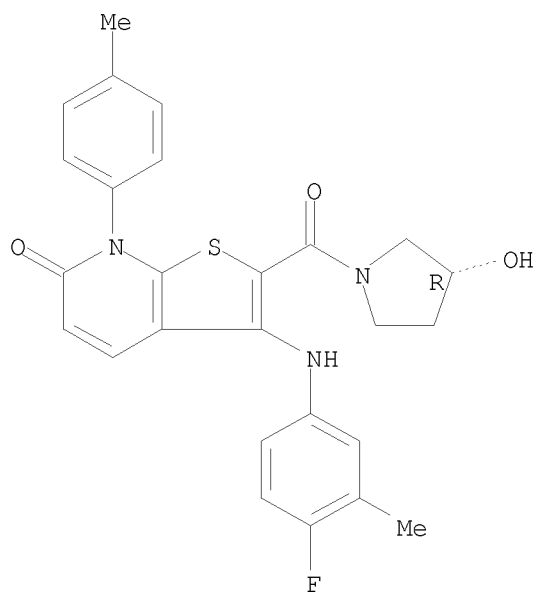
RN 816424-55-2 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-
 hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.

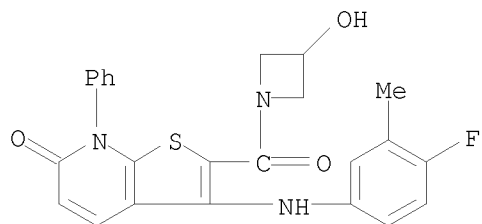


RN 816424-56-3 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX
 NAME)

Absolute stereochemistry.

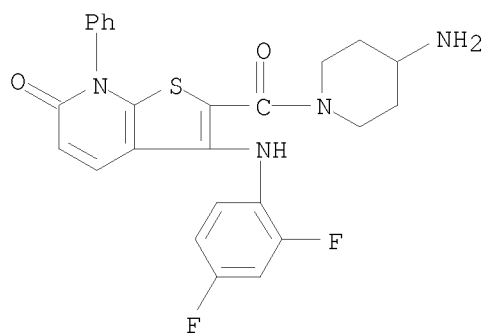


RN 816424-57-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3-
 hydroxy-1-azetidiny]carbonyl]-7-phenyl- (CA INDEX NAME)



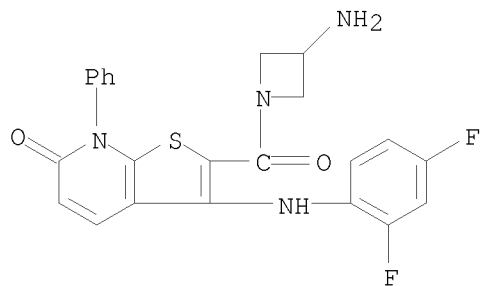
RN 816424-58-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



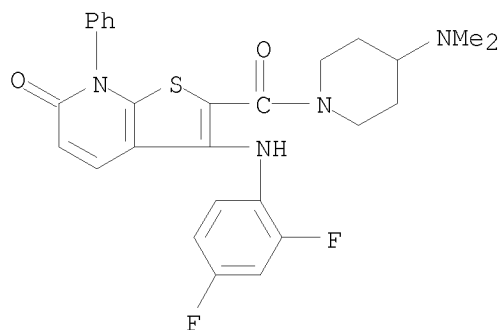
RN 816424-59-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-azetidiny)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



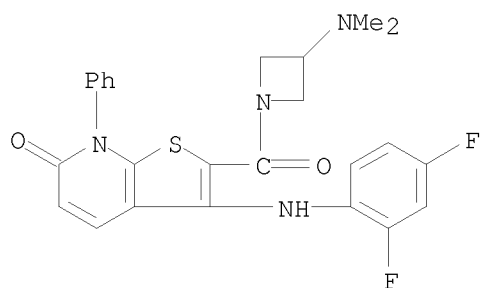
RN 816424-60-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[4-(dimethylamino)-1-piperidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-61-0 CAPLUS

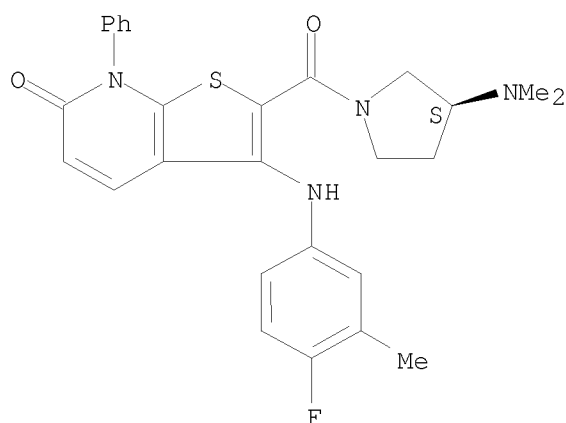
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[3-(dimethylamino)-1-azetidiny]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-62-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

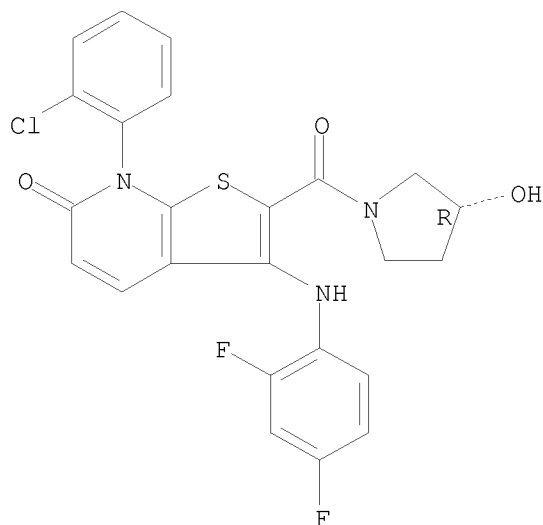
Absolute stereochemistry.



RN 816424-63-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

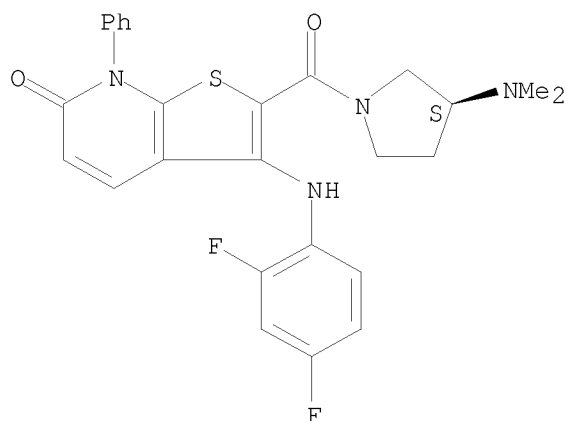
Absolute stereochemistry.



RN 816426-21-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



IT 639479-13-3P, Ethyl 3-anilino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-14-4P, Ethyl 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-21-3P, Ethyl 3-[(3-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-22-4P, Ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-26-8P 639479-59-7P, Ethyl 3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-45-8P, Ethyl 3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-49-2P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(4-chlorophenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-50-5P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-51-6P, Ethyl

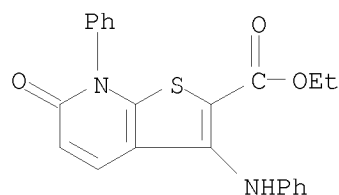
3-[(3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-80-4P,
 3-[(2,4-Difluorophenyl)amino]-7-phenylthieno[2,3-b]pyridin-6(7H)-one
 639482-02-3P 639482-11-4P 639504-79-3P, Ethyl
 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P 816424-66-5P
 816424-67-6P 816424-68-7P 816424-69-8P
 816424-70-1P 816424-79-0P 816424-80-3P
 816424-81-4P 816424-82-5P 816424-83-6P
 816424-84-7P 816424-85-8P 816424-86-9P
 816424-90-5P 816424-91-6P 816424-93-8P, Sodium
 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-94-9P 816424-95-0P
 816424-96-1P 816424-97-2P, Pentafluorophenyl
 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816425-03-3P 816425-04-4P
 816425-05-5P 816425-07-7P 816425-08-8P
 816425-09-9P 816425-15-7P 816425-16-8P
 816425-17-9P 816425-20-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 α kinase inhibitors)

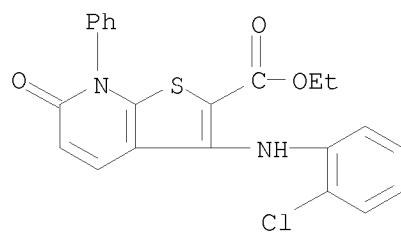
RN 639479-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



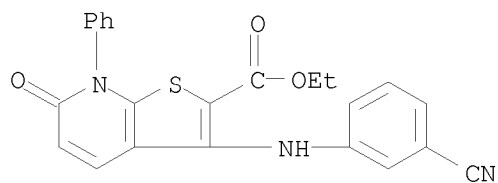
RN 639479-14-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)

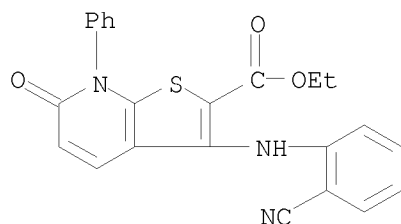


RN 639479-21-3 CAPLUS

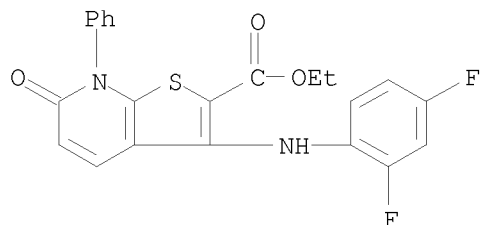
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



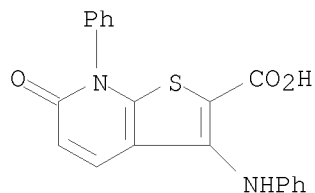
RN 639479-22-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
 INDEX NAME)



RN 639479-24-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
 (CA INDEX NAME)



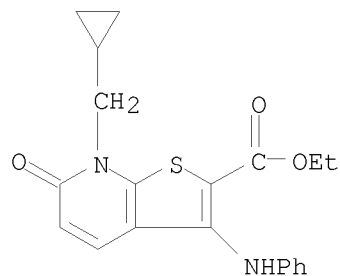
RN 639479-26-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA
 INDEX NAME)



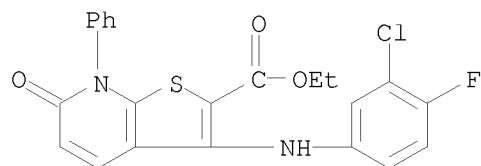
● NH₃

RN 639479-59-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,

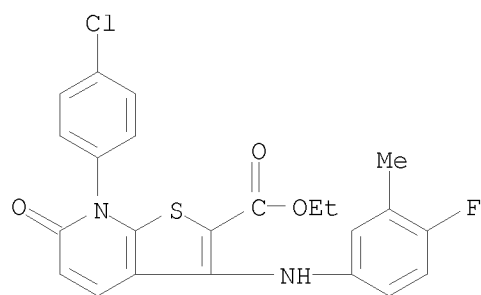
7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



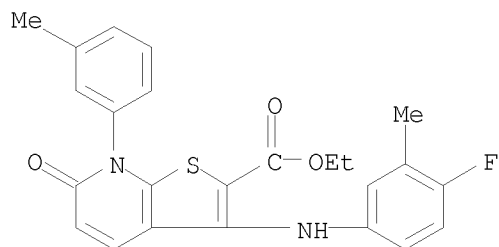
RN 639480-45-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl
 ester (CA INDEX NAME)



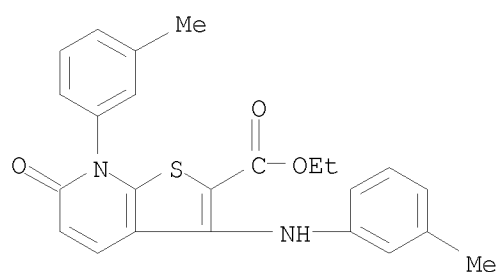
RN 639480-49-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-,
 ethyl ester (CA INDEX NAME)



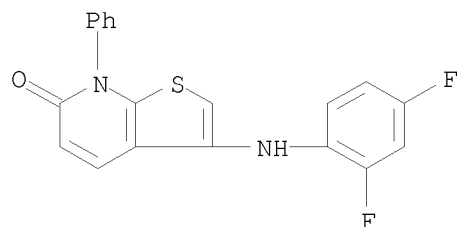
RN 639480-50-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-,
 ethyl ester (CA INDEX NAME)



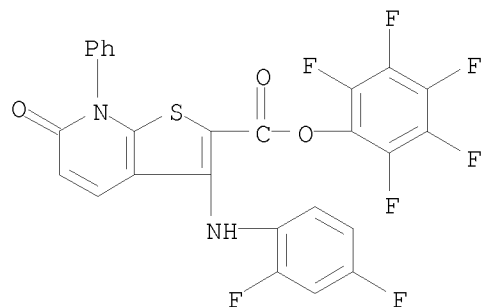
RN 639480-51-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl
 ester (CA INDEX NAME)



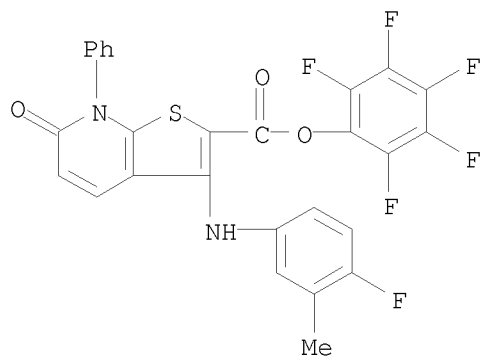
RN 639481-80-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-
 (CA INDEX NAME)



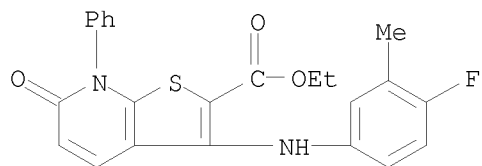
RN 639482-02-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



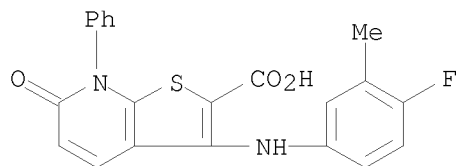
RN 639482-11-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl
 ester (CA INDEX NAME)

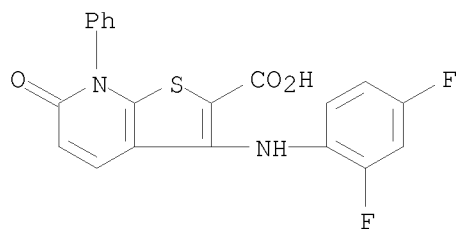


RN 816424-65-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium
 salt (1:1) (CA INDEX NAME)



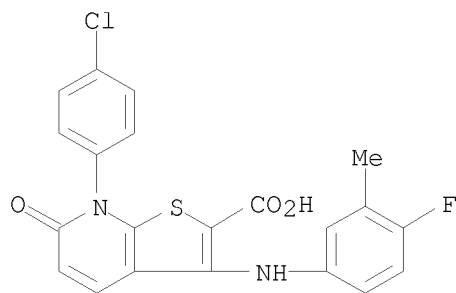
● Li

RN 816424-66-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt
 (1:1) (CA INDEX NAME)



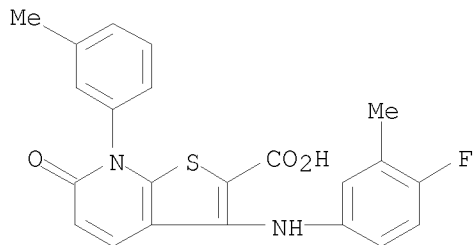
● Li

RN 816424-67-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-((4-chlorophenyl)amino)-3-((4-fluoro-3-methylphenyl)amino)-6,7-dihydro-6-oxo-,
 sodium salt (1:1) (CA INDEX NAME)



● Na

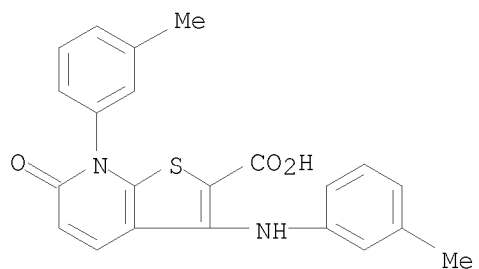
RN 816424-68-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-((4-fluoro-3-methylphenyl)amino)-6,7-dihydro-7-((3-methylphenyl)amino)-6-oxo-,
 sodium salt (1:1) (CA INDEX NAME)



● Na

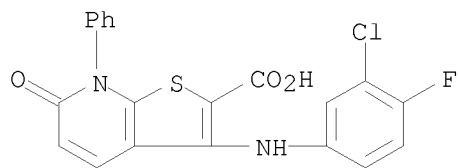
RN 816424-69-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-7-((3-methylphenyl)amino)-3-((3-methylphenyl)amino)-6-oxo-, sodium

salt (1:1) (CA INDEX NAME)



● Na

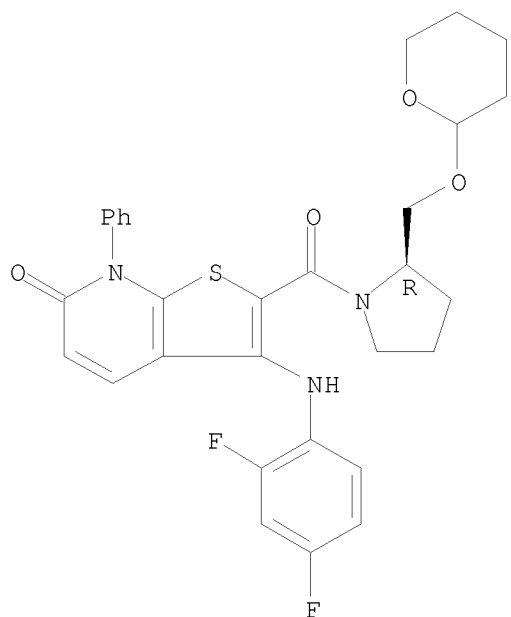
RN 816424-70-1 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium
salt (1:1) (CA INDEX NAME)



● Na

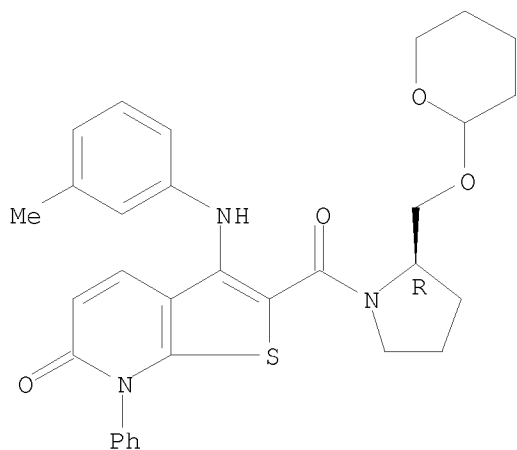
RN 816424-79-0 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-
[[[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-
(CA INDEX NAME)

Absolute stereochemistry.



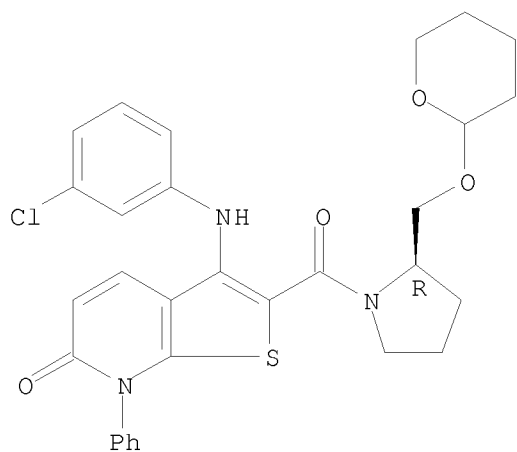
RN 816424-80-3 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-methylphenyl)amino]-7-phenyl-2-
 [[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-
 (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-81-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-
 [[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-
 (CA INDEX NAME)

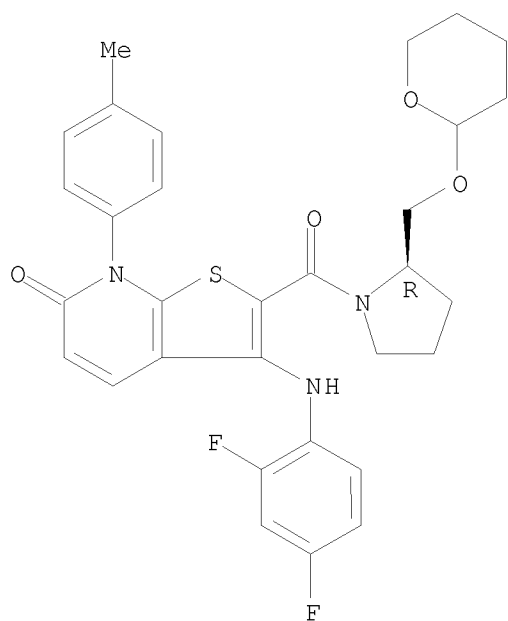
Absolute stereochemistry.



RN 816424-82-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-methylphenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

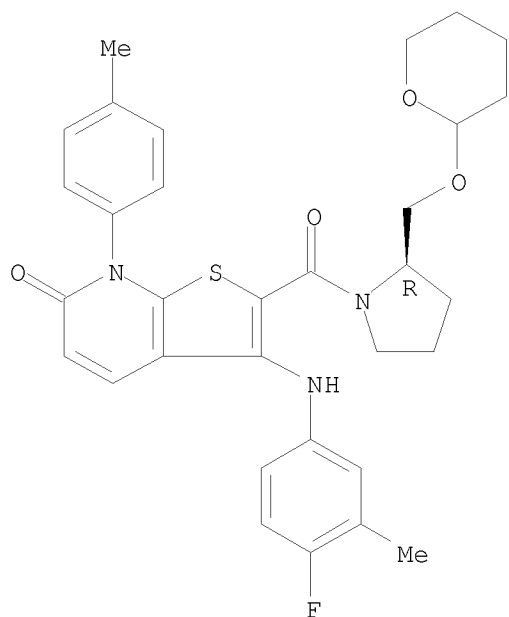
Absolute stereochemistry.



RN 816424-83-6 CAPLUS

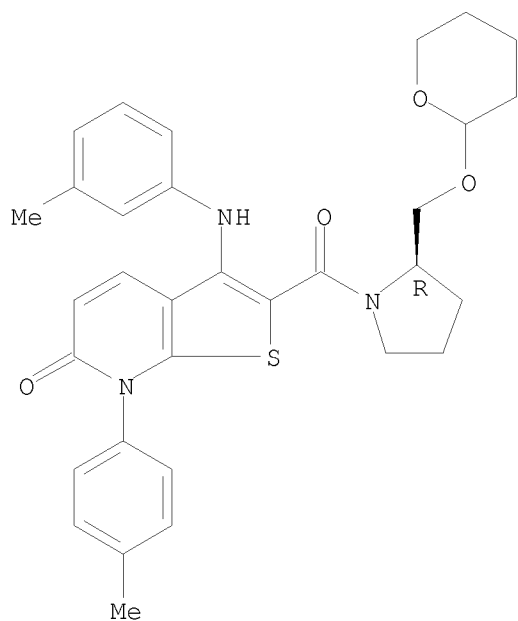
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-methylphenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



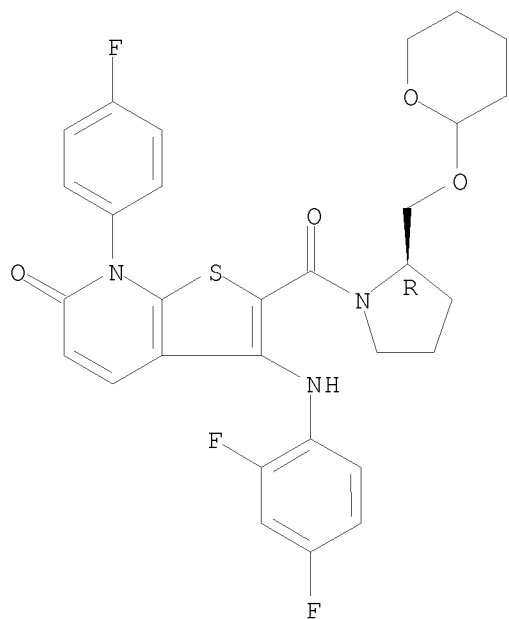
RN 816424-84-7 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-85-8 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

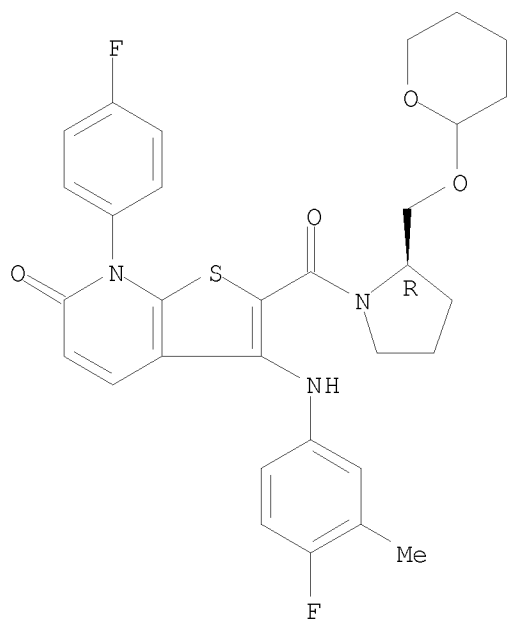
Absolute stereochemistry.



RN 816424-86-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

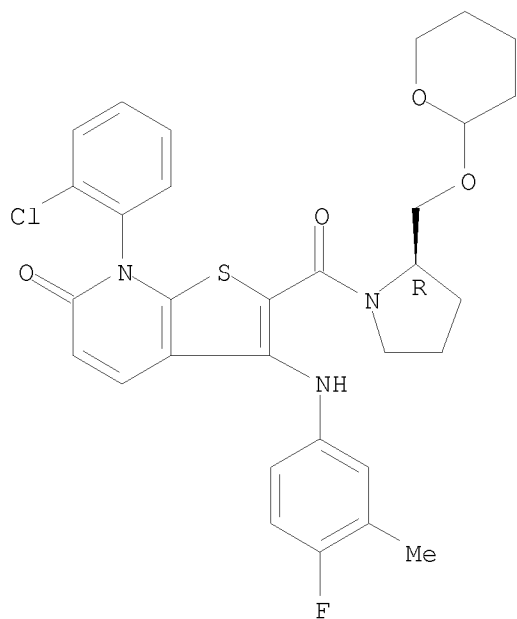
Absolute stereochemistry.



RN 816424-90-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

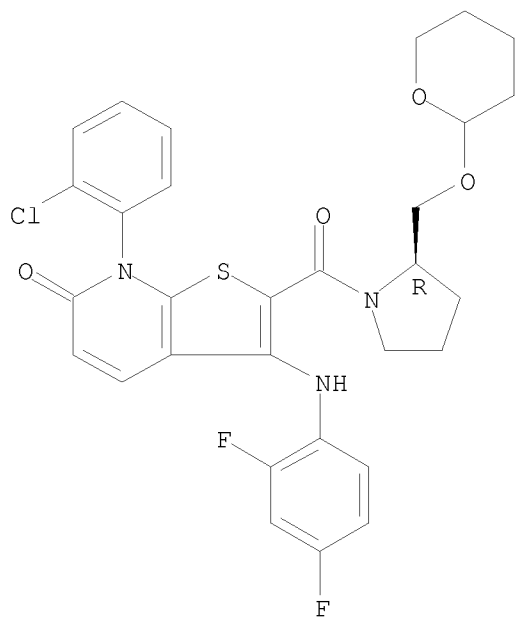
Absolute stereochemistry.



RN 816424-91-6 CAPLUS

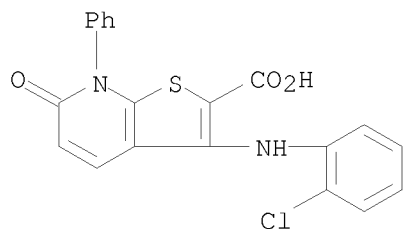
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



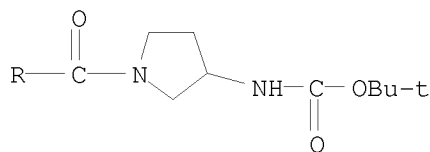
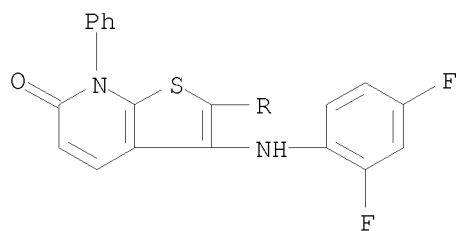
RN 816424-93-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)



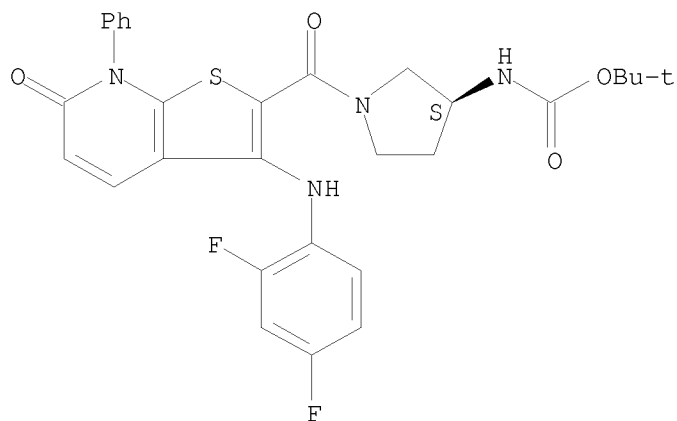
● Na

RN 816424-94-9 CAPLUS
 CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816424-95-0 CAPLUS
 CN Carbamic acid, [(3S)-1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

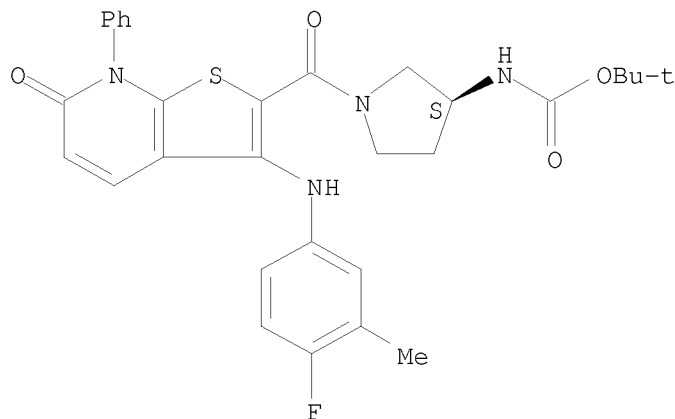
Absolute stereochemistry.



RN 816424-96-1 CAPLUS

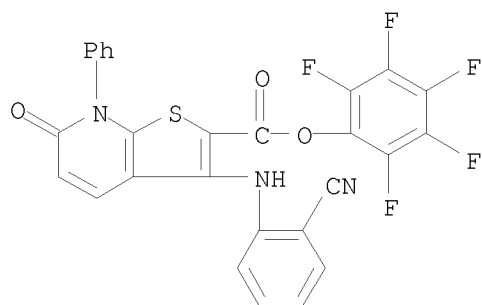
CN Carbamic acid, [(3S)-1-[[3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-97-2 CAPLUS

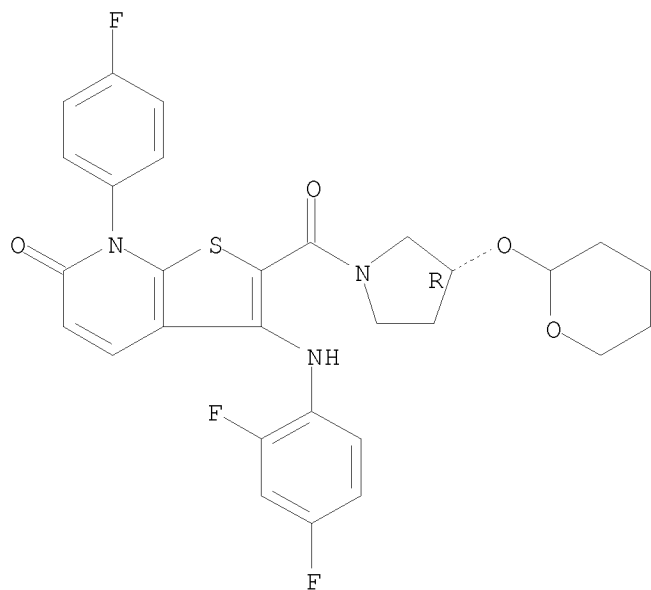
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 816425-03-3 CAPLUS

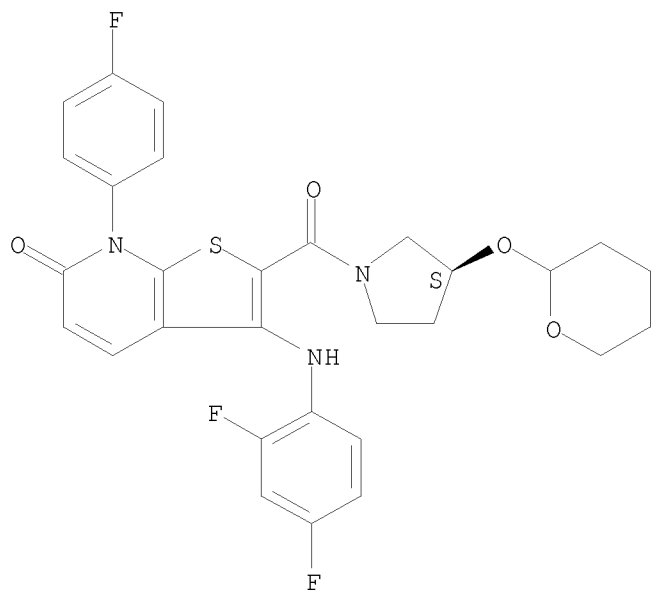
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



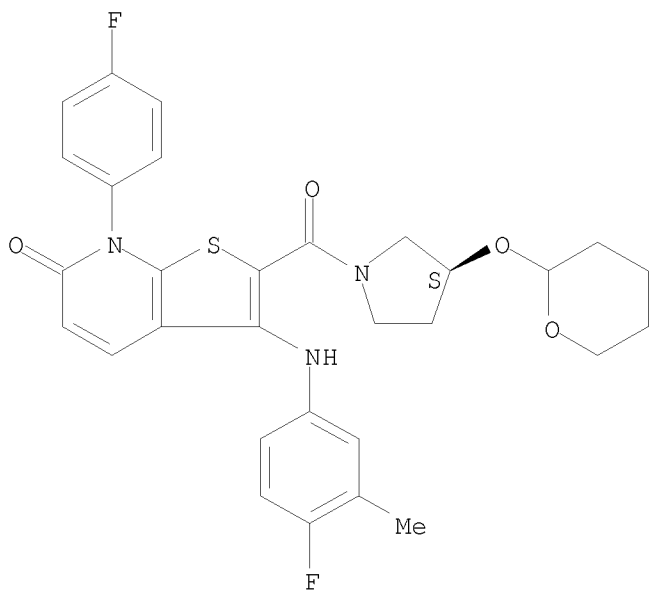
RN 816425-04-4 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816425-05-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

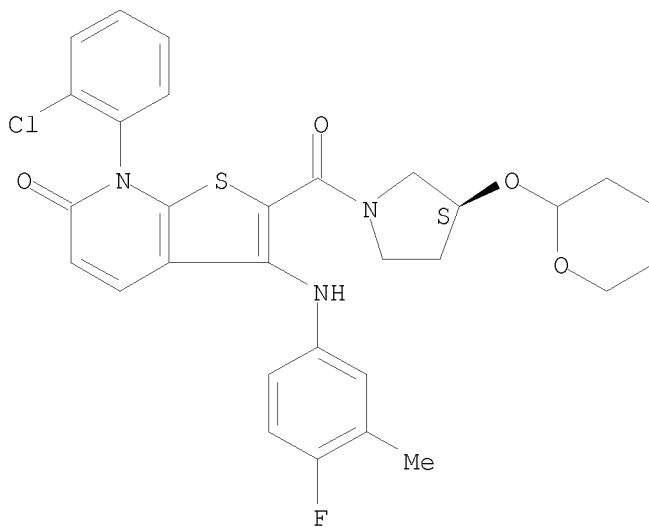
Absolute stereochemistry.



RN 816425-07-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

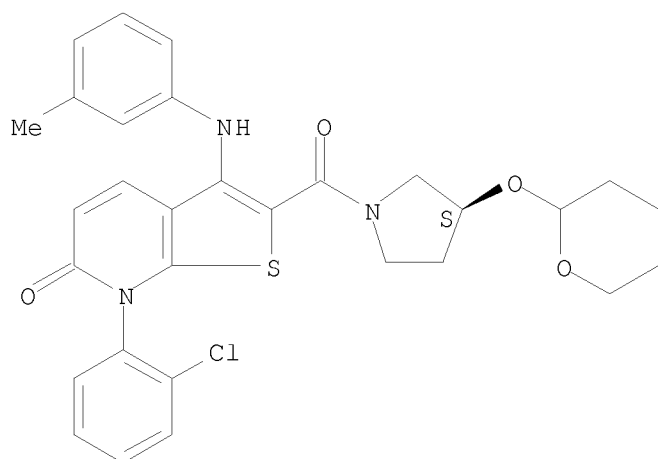
Absolute stereochemistry.



RN 816425-08-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(3-methylphenyl)amino]-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

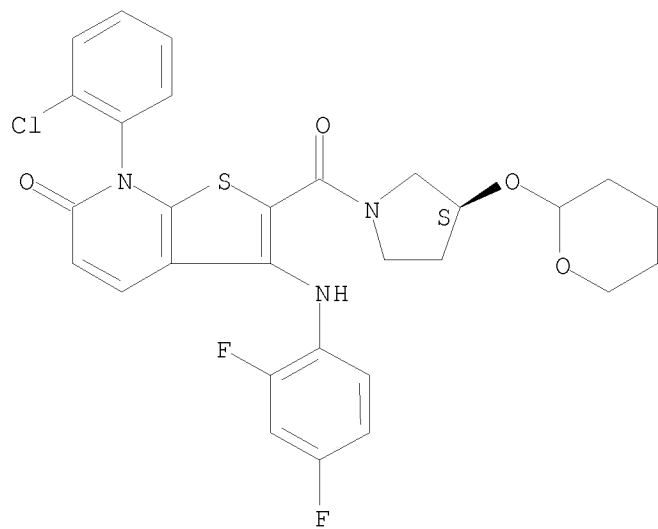
Absolute stereochemistry.



RN 816425-09-9 CAPLUS

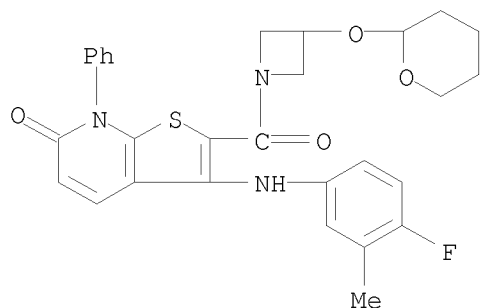
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-[(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[3S]-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



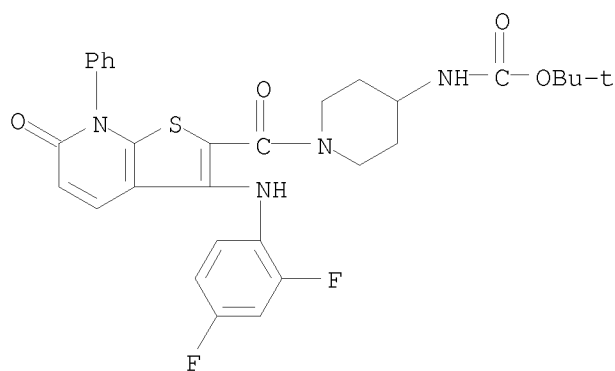
RN 816425-15-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[[3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidinyl]carbonyl]- (CA INDEX NAME)



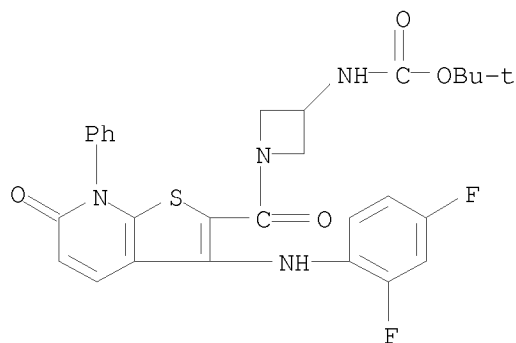
RN 816425-16-8 CAPLUS

CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-17-9 CAPLUS

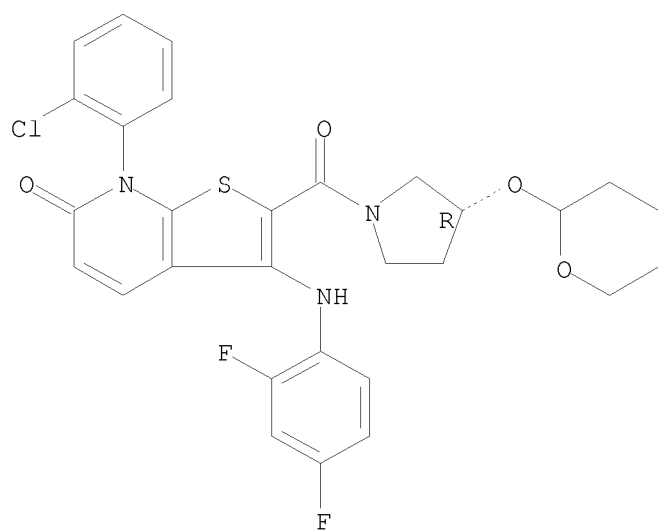
CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-azetidiny]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-20-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-1-pyrrolidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

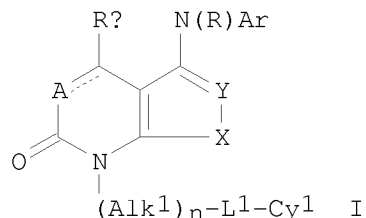
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THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:2888 CAPLUS
DOCUMENT NUMBER: 140:59658
TITLE: Preparation of arylamine substituted bicyclic
hetero-aromatic compounds as p38 kinase inhibitors
INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;
Langham, Barry John
PATENT ASSIGNEE(S): Celltech R & D Limited, UK
SOURCE: PCT Int. Appl., 174 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000846	A1	20031231	WO 2003-GB2667	20030620
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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CN 1671715	A	20050921	CN 2003-818371	20030620
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JP 2005530838	T	20051013	JP 2004-515043	20030620
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MX 2004PA12746	A	20050323	MX 2004-PA12746	20041215
NO 2005000306	A	20050316	NO 2005-306	20050119
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US 20060004025	A1	20060105	US 2005-518725	20050526
US 7423047	B2	20080909		
PRIORITY APPLN. INFO.:			GB 2002-14268	A 20020620
			WO 2003-GB2667	W 20030620
OTHER SOURCE(S):	MARPAT	140:59658		
GI				



AB Bicyclic heteroarom. derivs. I; where the dashed line joining A and C(Ra)

is present and represents a bond and A is a -N= atom or a -C(Rb)= group, or the dashed line is absent and A is a -N(Rb)-, or -C(Rb)(Rc)- group; X is an -O-, -S- or substituted nitrogen atom or a -S(O)-, -S(O₂)- or -NH-group; Y is a nitrogen or substituted carbon atom or a -CH = group; n is zero or the integer 1; Alkl is an optionally substituted aliphatic or hetero-aliphatic chain L1 is a covalent bond or a linker atom or group; Cyl is a hydrogen atom or an optionally substituted cyclo-aliphatic, poly-cyclo-aliphatic, hetero-cyclo-aliphatic, poly-hetero-cyclo-aliphatic, aromatic or hetero-aromatic group; Ar is an optionally substituted aromatic or heteroarom. group; and the remaining substituents are defined in the specification. The compds. are potent and selective inhibitors of p38 kinase and are of use in the prophylaxis and treatment of immune or inflammatory disorders. Thus, 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide was prepared as as p38 kinase inhibitor. In the p38 inhibitor assays described above compds. of the invention have IC₅₀ values of around 1 μM and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38α kinase.

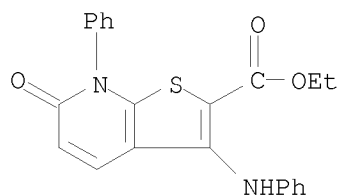
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RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of arylamine substituted bicyclic hetero-aromatic compds. as p38 kinase inhibitors)

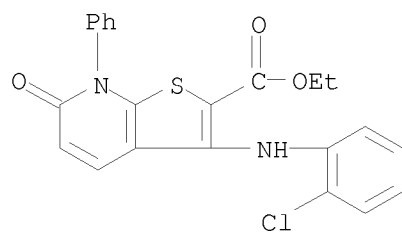
RN 639479-13-3 CAPLUS

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 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)

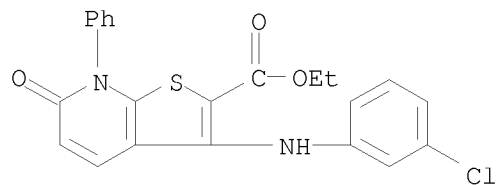


RN 639479-14-4 CAPLUS

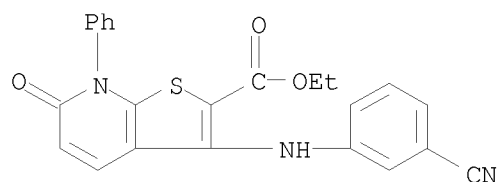
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
INDEX NAME)



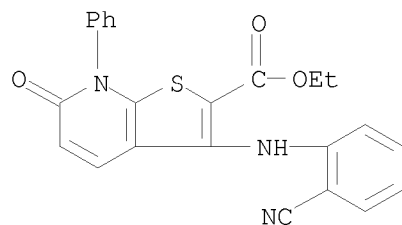
RN 639479-15-5 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
INDEX NAME)



RN 639479-21-3 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
INDEX NAME)

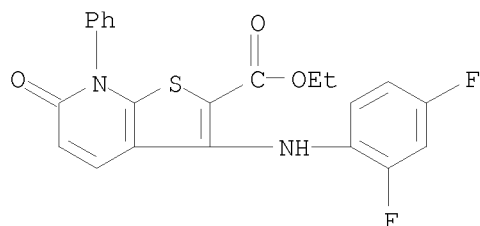


RN 639479-22-4 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
INDEX NAME)

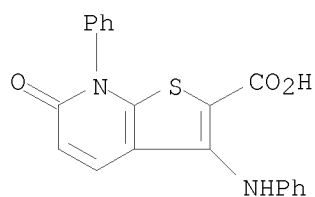


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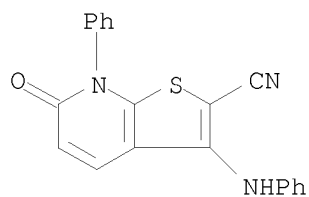
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
(CA INDEX NAME)



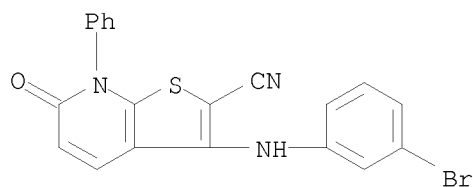
RN 639479-26-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA
INDEX NAME)



RN 639479-32-6 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

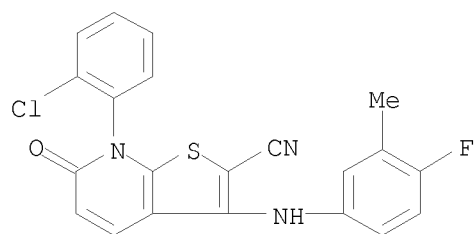


RN 639479-34-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

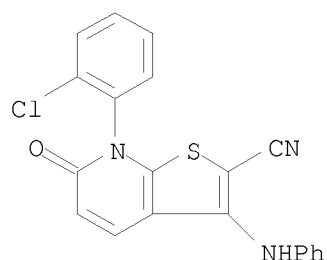


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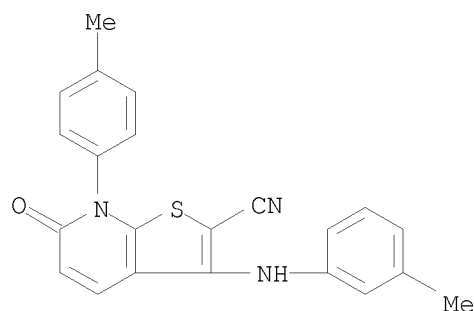
CN Thieno[2,3-b]pyridine-2-carbonitrile,
7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
(CA INDEX NAME)



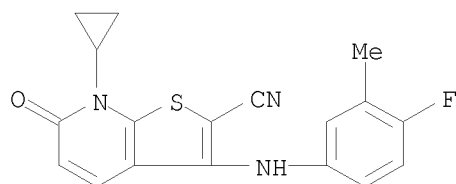
RN 639479-38-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



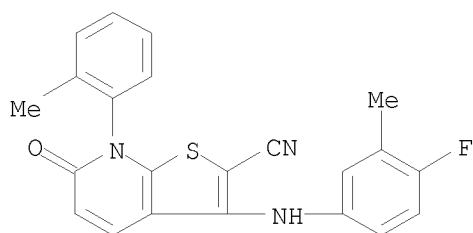
RN 639479-41-7 CAPLUS
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6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



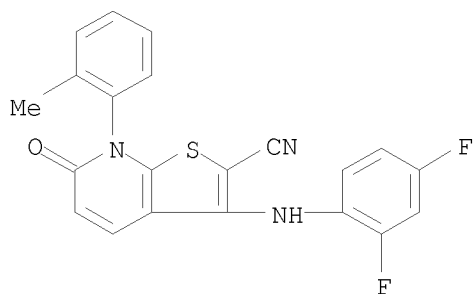
RN 639479-43-9 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



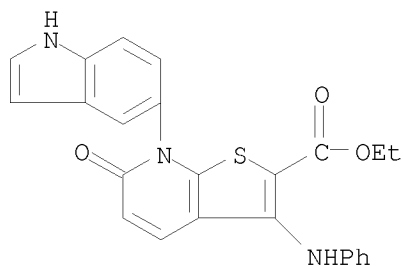
RN 639479-47-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo-
 (CA INDEX NAME)



RN 639479-48-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA
 INDEX NAME)

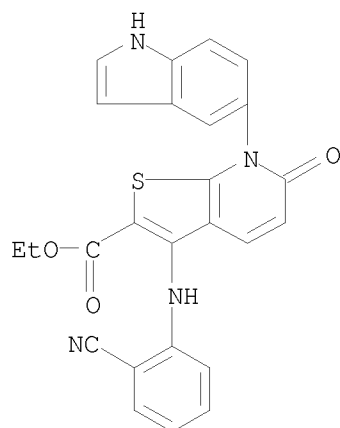


RN 639479-52-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)-, ethyl ester (CA
 INDEX NAME)

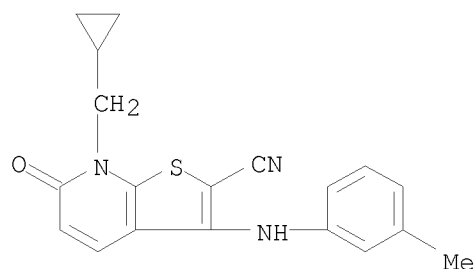


RN 639479-54-2 CAPLUS

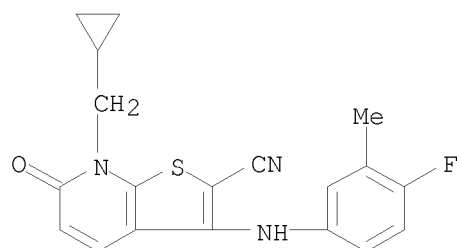
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester
(CA INDEX NAME)



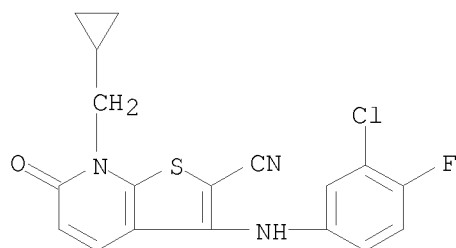
RN 639479-64-4 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA
INDEX NAME)



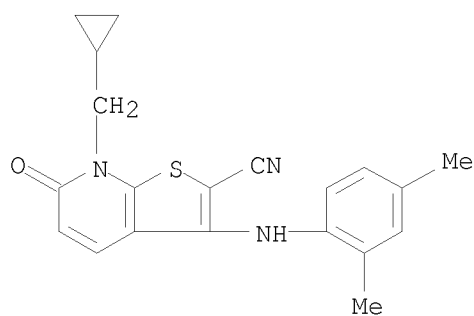
RN 639479-65-5 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
(CA INDEX NAME)



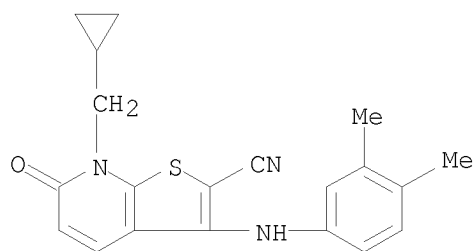
RN 639479-66-6 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-
(CA INDEX NAME)



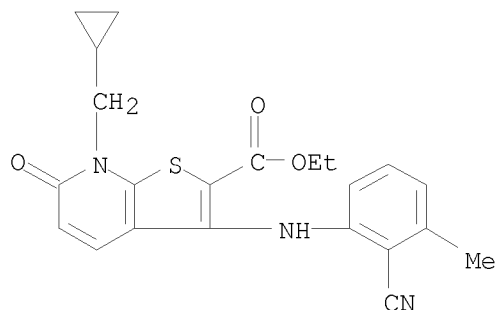
RN 639479-67-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



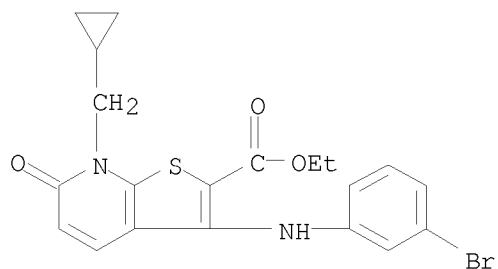
RN 639479-68-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



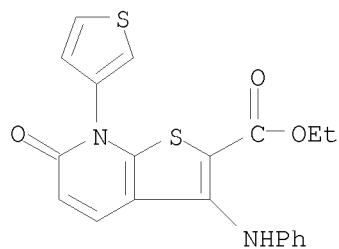
RN 639479-74-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-
 , ethyl ester (CA INDEX NAME)



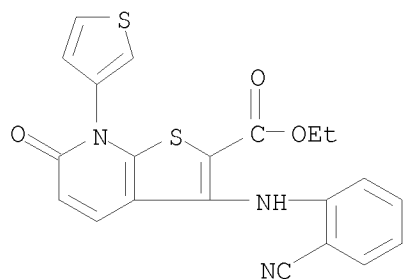
RN 639479-78-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl
 ester (CA INDEX NAME)



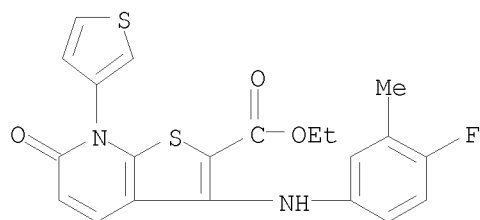
RN 639479-80-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)-, ethyl ester (CA INDEX
 NAME)



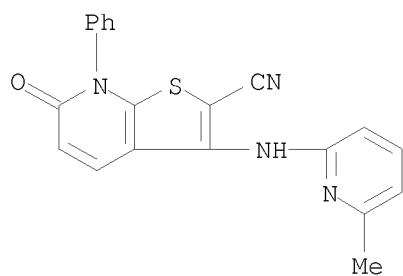
RN 639479-82-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester
 (CA INDEX NAME)



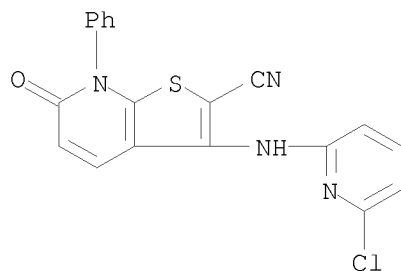
RN 639479-84-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl
 ester (CA INDEX NAME)



RN 639479-89-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX
 NAME)

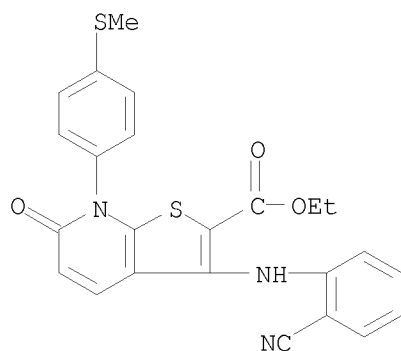


RN 639479-91-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX
 NAME)



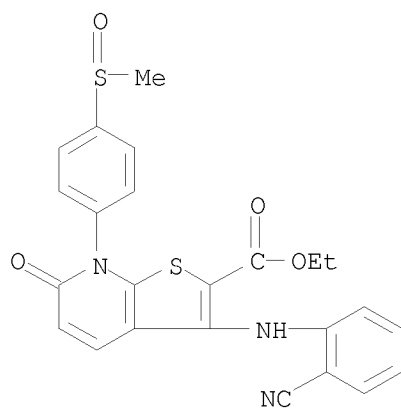
RN 639479-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-,
ethyl ester (CA INDEX NAME)



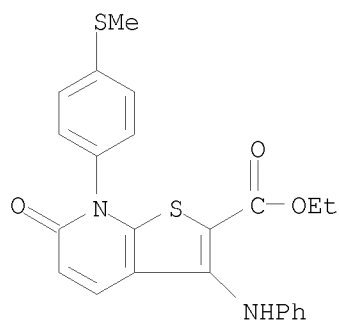
RN 639479-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-,
ethyl ester (CA INDEX NAME)

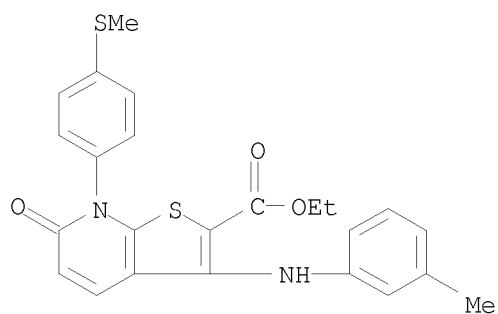


RN 639479-96-2 CAPLUS

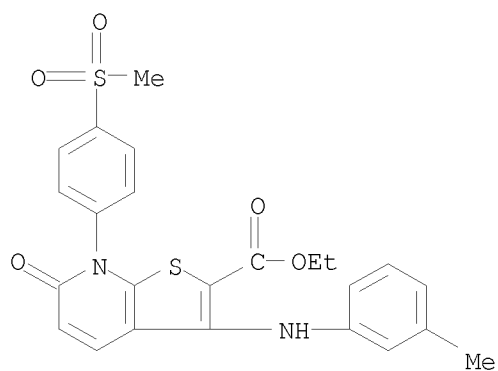
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester
(CA INDEX NAME)



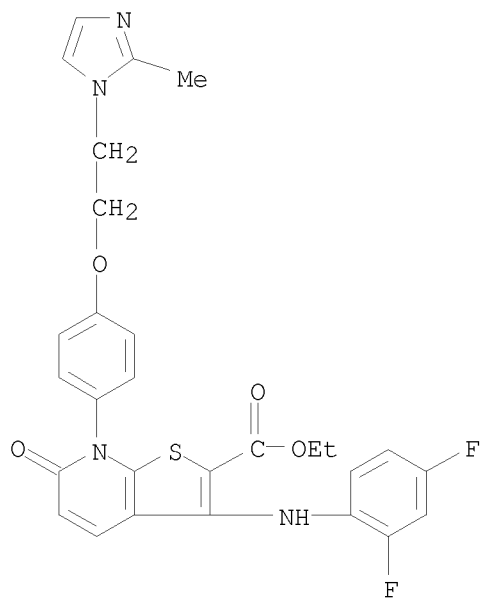
RN 639479-98-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-,
 ethyl ester (CA INDEX NAME)



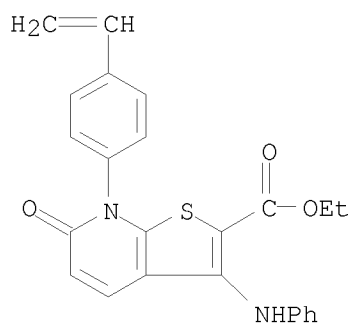
RN 639479-99-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-,
 ethyl ester (CA INDEX NAME)



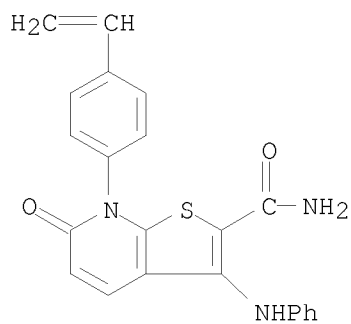
RN 639480-02-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639480-05-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA
 INDEX NAME)

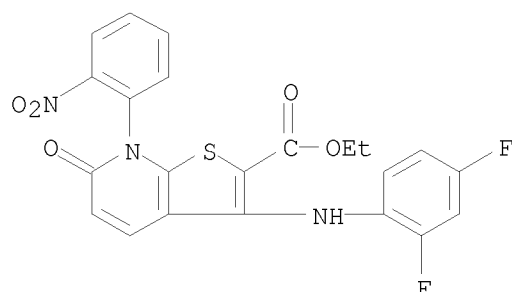


RN 639480-06-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)

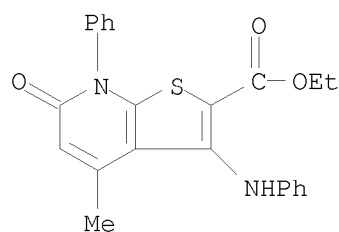


RN 639480-10-7 CAPLUS

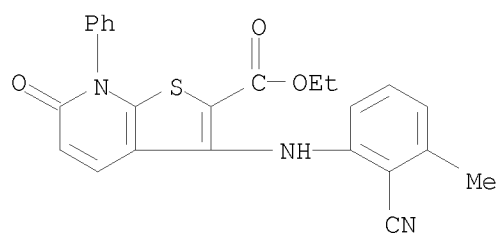
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl
ester (CA INDEX NAME)



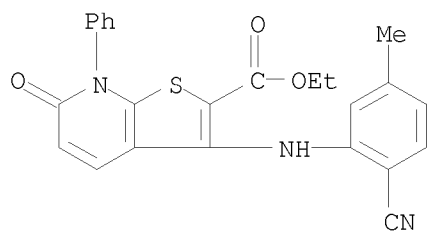
RN 639480-12-9 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA
INDEX NAME)



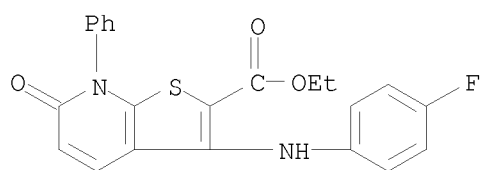
RN 639480-41-4 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
(CA INDEX NAME)



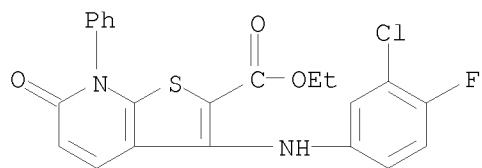
RN 639480-42-5 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
(CA INDEX NAME)



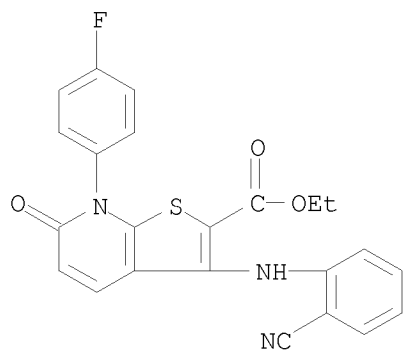
RN 639480-43-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
 INDEX NAME)



RN 639480-45-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl
 ester (CA INDEX NAME)

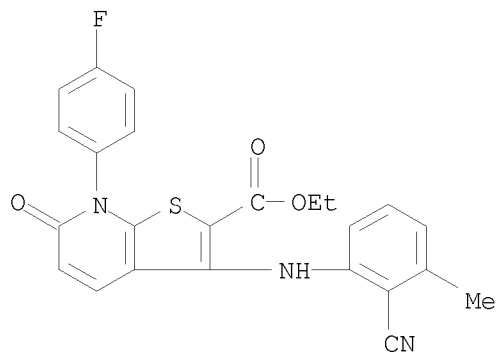


RN 639480-46-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl
 ester (CA INDEX NAME)

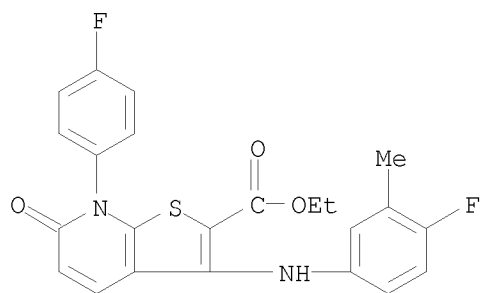


RN 639480-47-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-,

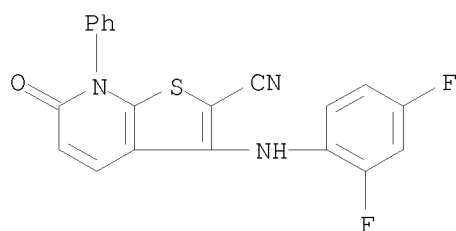
ethyl ester (CA INDEX NAME)



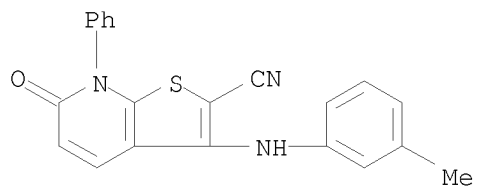
RN 639480-48-1 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-,
ethyl ester (CA INDEX NAME)



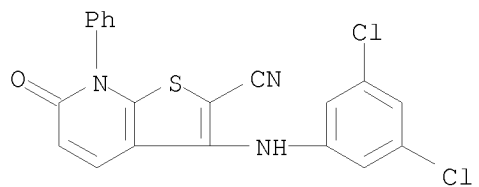
RN 639480-52-7 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



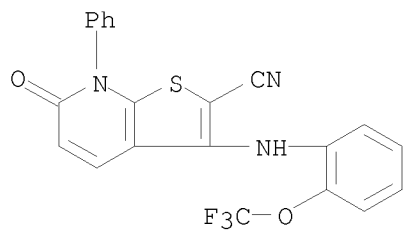
RN 639480-55-0 CAPLUS
CN Thieno[2,3-b]pyridine-2-carbonitrile,
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



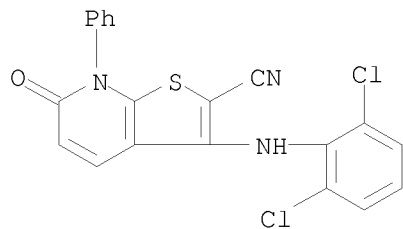
RN 639480-56-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(3,5-dimethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



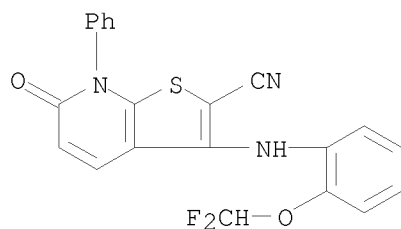
RN 639480-58-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-6-oxo-7-phenyl-3-[[2-(trifluoromethoxy)phenyl]amino]- (CA
 INDEX NAME)



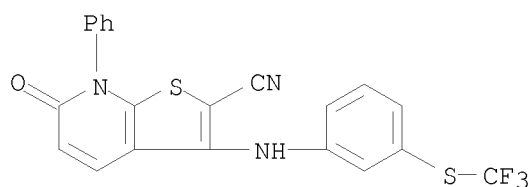
RN 639480-59-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



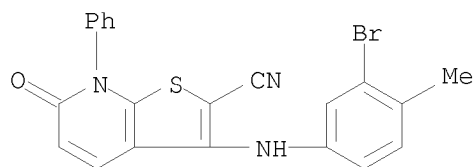
RN 639480-60-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[[2-(difluoromethoxy)phenyl]amino]-6,7-dihydro-6-oxo-7-phenyl- (CA
 INDEX NAME)



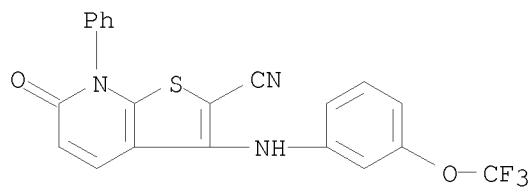
RN 639480-63-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-6-oxo-7-phenyl-3-[[3-[(trifluoromethyl)thio]phenyl]amino]-
 (CA INDEX NAME)



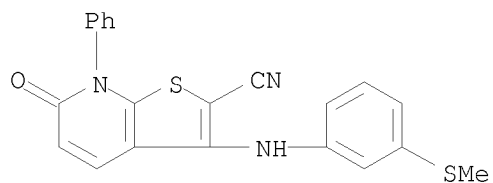
RN 639480-64-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(3-bromo-4-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX
 NAME)



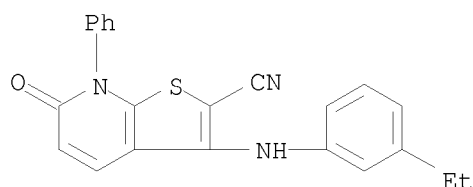
RN 639480-66-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[[3-(trifluoromethoxy)phenyl]amino]-6-oxo-7-phenyl- (CA
 INDEX NAME)



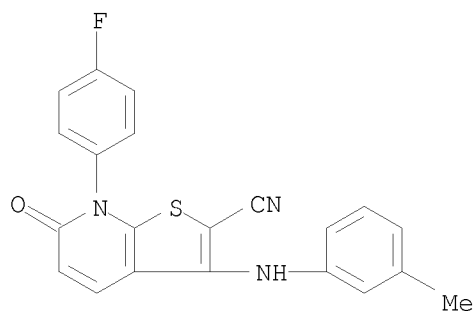
RN 639480-67-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[[3-(methylthio)phenyl]amino]-6-oxo-7-phenyl- (CA INDEX
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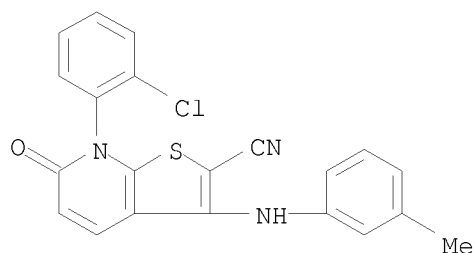
RN 639480-69-6 CAPLUS
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 3-[(3-ethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



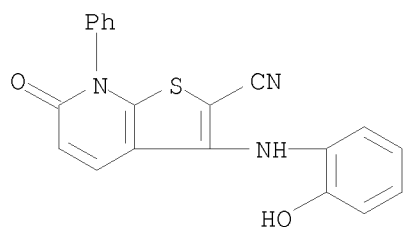
RN 639480-70-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



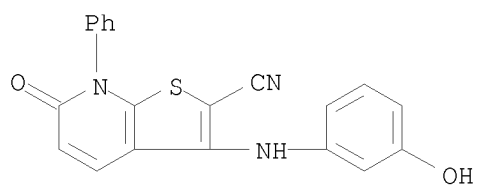
RN 639480-74-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



RN 639480-75-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-76-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



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 639479-28-0P 639479-29-1P 639479-30-4P
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 639481-12-2P 639481-13-3P 639481-15-5P
 639481-16-6P 639481-17-7P 639481-18-8P
 639481-19-9P 639481-20-2P 639481-21-3P
 639481-22-4P 639481-23-5P 639481-24-6P
 639481-25-7P 639481-26-8P 639481-27-9P
 639504-80-6P

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);
 PREP (Preparation); USES (Uses)

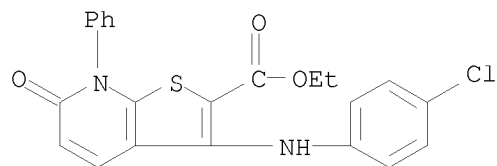
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

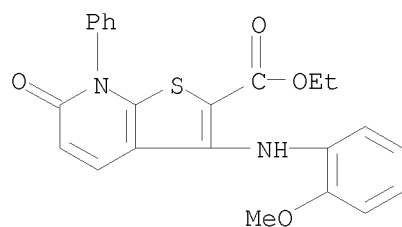
RN 639479-16-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
 INDEX NAME)



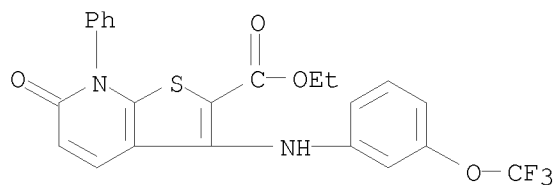
RN 639479-18-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-3-[(2-methoxyphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA
 INDEX NAME)

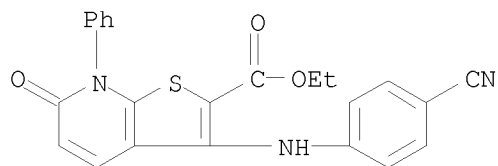


RN 639479-19-9 CAPLUS

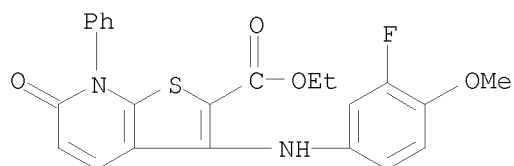
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]-, ethyl
 ester (CA INDEX NAME)



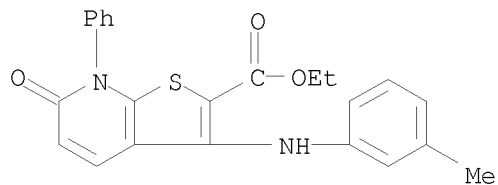
RN 639479-20-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA
 INDEX NAME)



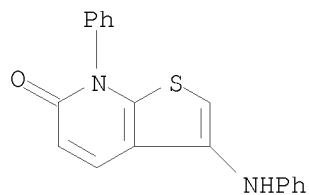
RN 639479-23-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-fluoro-4-methoxyphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl
 ester (CA INDEX NAME)



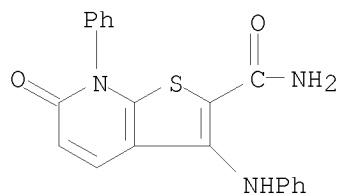
RN 639479-25-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA
 INDEX NAME)



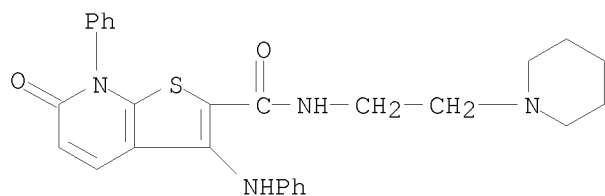
RN 639479-28-0 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)- (CA INDEX NAME)



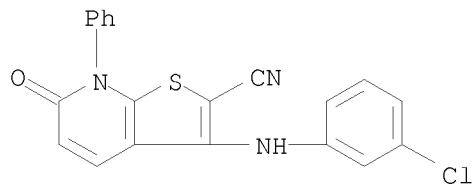
RN 639479-29-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



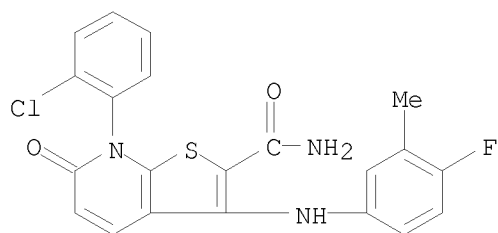
RN 639479-30-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]-
 (CA INDEX NAME)



RN 639479-35-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

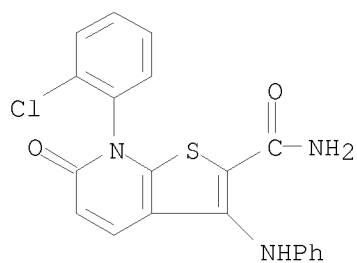


RN 639479-37-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



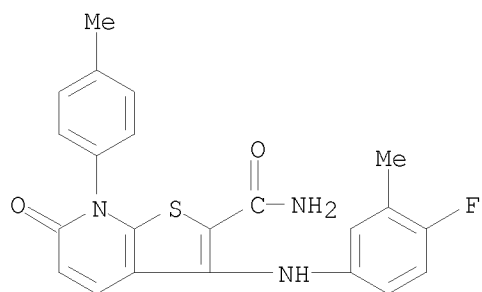
RN 639479-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



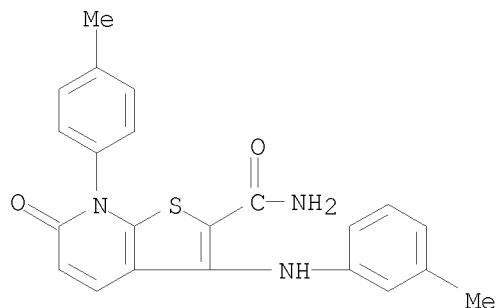
RN 639479-40-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo-
(CA INDEX NAME)

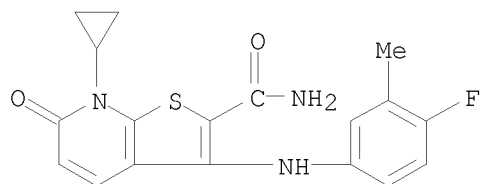


RN 639479-42-8 CAPLUS

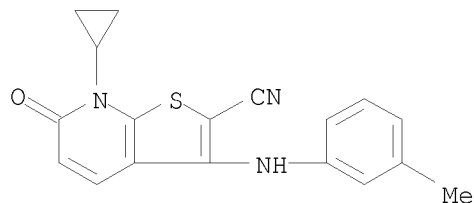
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
NAME)



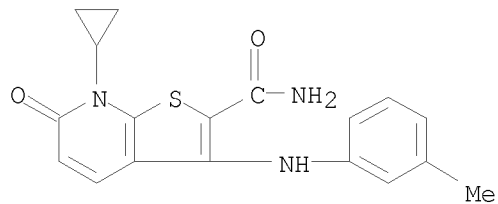
RN 639479-44-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA
 INDEX NAME)



RN 639479-45-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
 NAME)

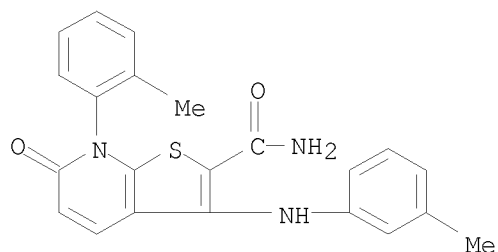


RN 639479-46-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
 NAME)

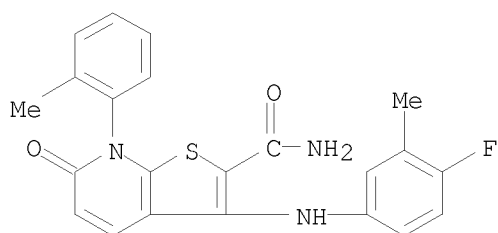


RN 639479-49-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
 NAME)

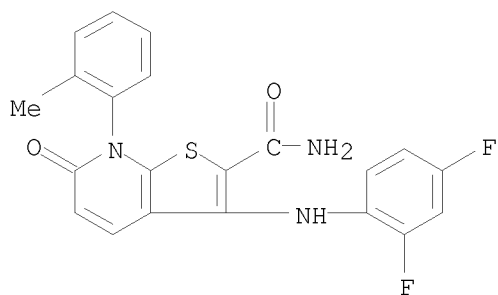
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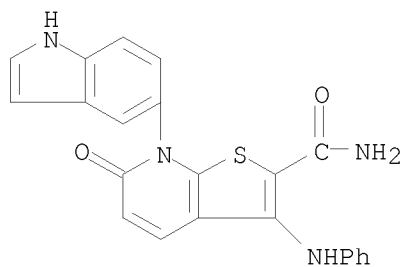
RN 639479-50-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo-
(CA INDEX NAME)



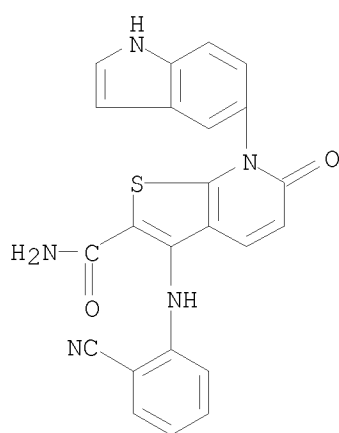
RN 639479-51-9 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA
INDEX NAME)



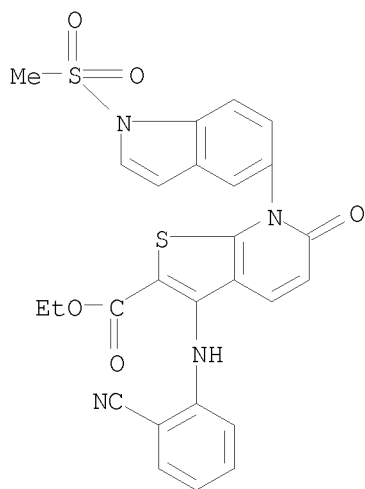
RN 639479-53-1 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)- (CA INDEX NAME)



RN 639479-55-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo- (CA INDEX
 NAME)

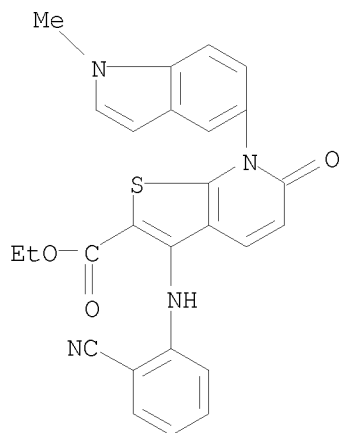


RN 639479-56-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[1-(methylsulfonyl)-1H-indol-5-yl]-
 6-oxo-, ethyl ester (CA INDEX NAME)

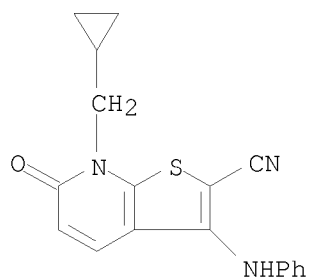


RN 639479-57-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,

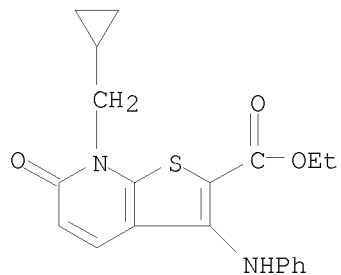
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



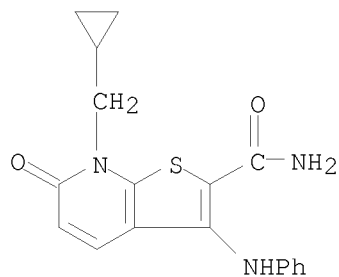
RN 639479-58-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



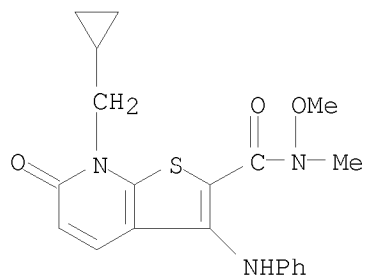
RN 639479-59-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



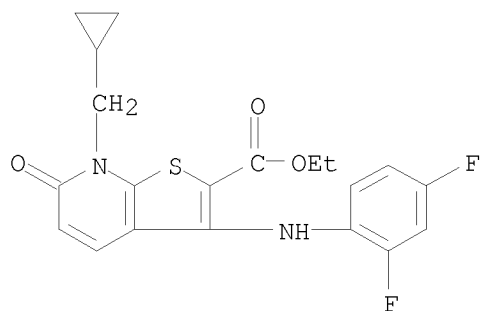
RN 639479-60-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



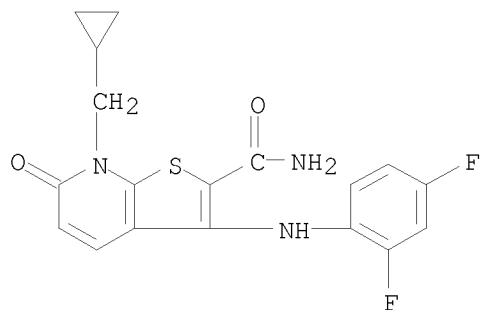
RN 639479-61-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)-
 (CA INDEX NAME)



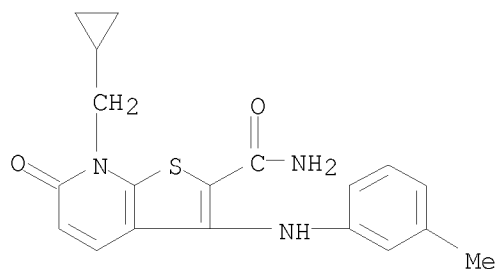
RN 639479-62-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-,
 ethyl ester (CA INDEX NAME)



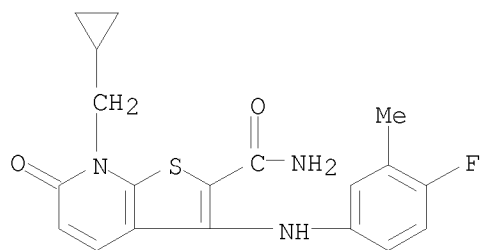
RN 639479-63-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



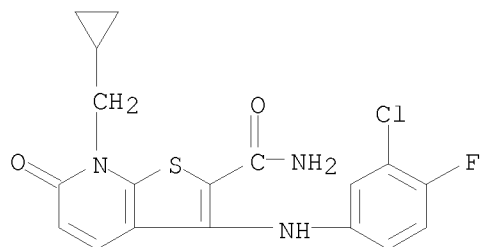
RN 639479-69-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA
 INDEX NAME)



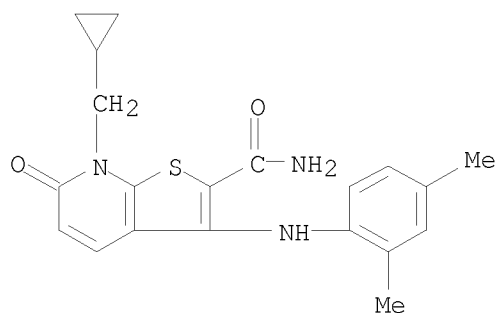
RN 639479-70-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



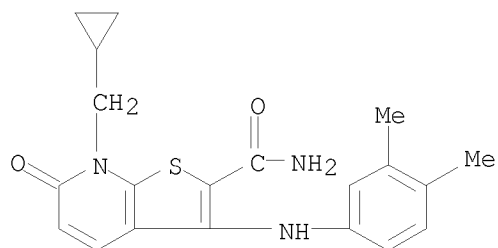
RN 639479-71-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



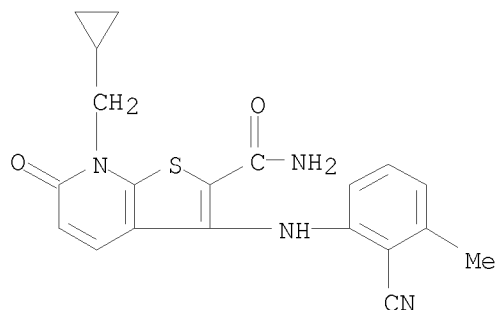
RN 639479-72-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



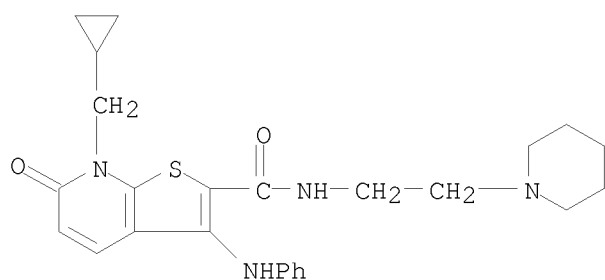
RN 639479-73-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



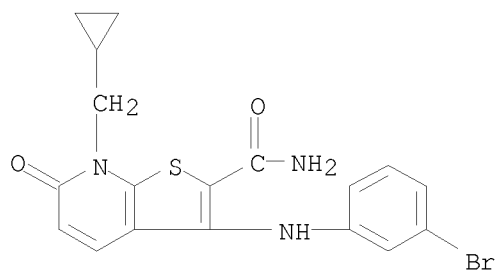
RN 639479-75-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



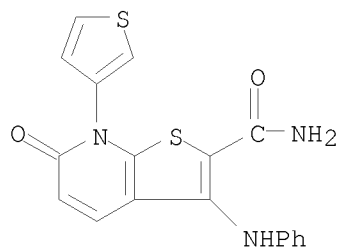
RN 639479-76-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-
 piperidinyl)ethyl]- (CA INDEX NAME)



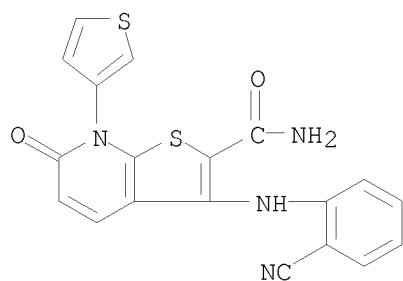
RN 639479-79-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA
 INDEX NAME)



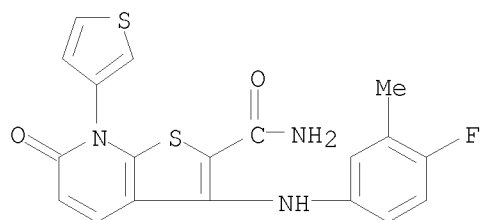
RN 639479-81-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)- (CA INDEX NAME)



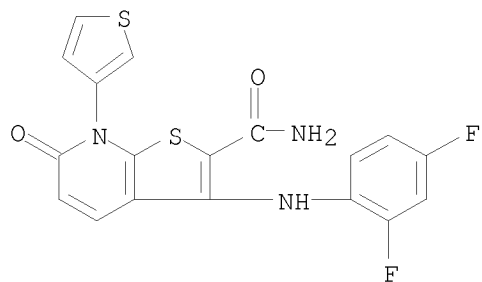
RN 639479-83-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



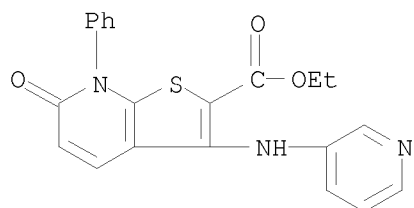
RN 639479-85-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA
 INDEX NAME)



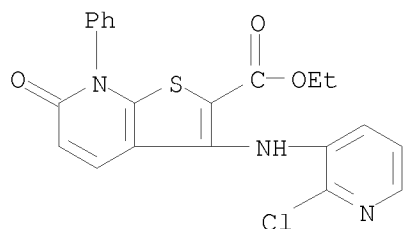
RN 639479-86-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX
 NAME)



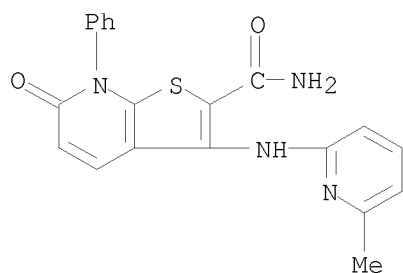
RN 639479-87-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinylamino)-, ethyl ester (CA INDEX
 NAME)



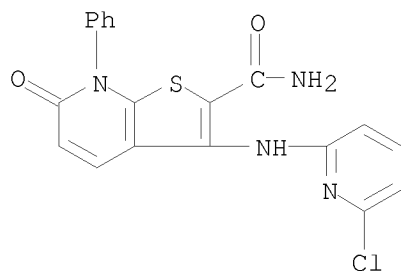
RN 639479-88-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2-chloro-3-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
 (CA INDEX NAME)



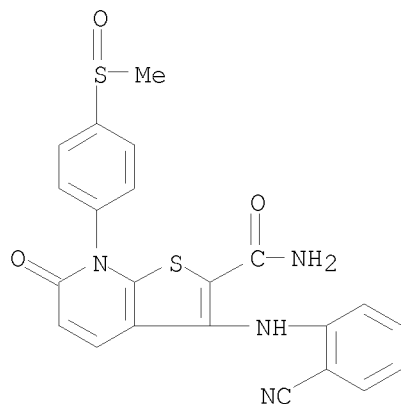
RN 639479-90-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX
 NAME)



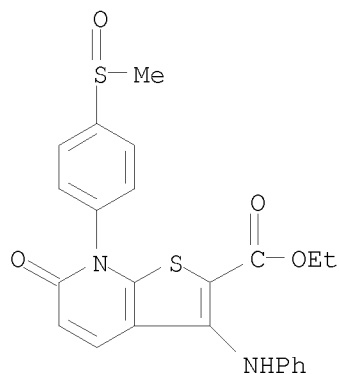
RN 639479-92-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX
 NAME)



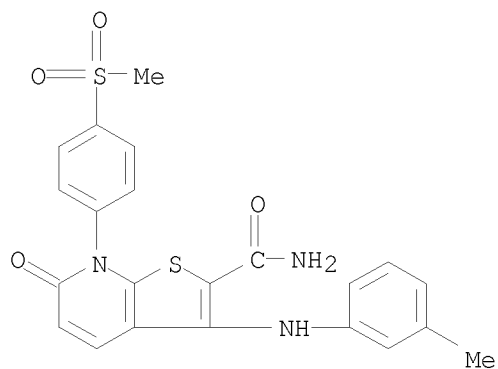
RN 639479-95-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-
 (CA INDEX NAME)



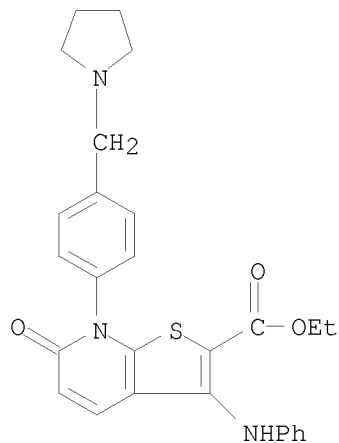
RN 639479-97-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl
 ester (CA INDEX NAME)



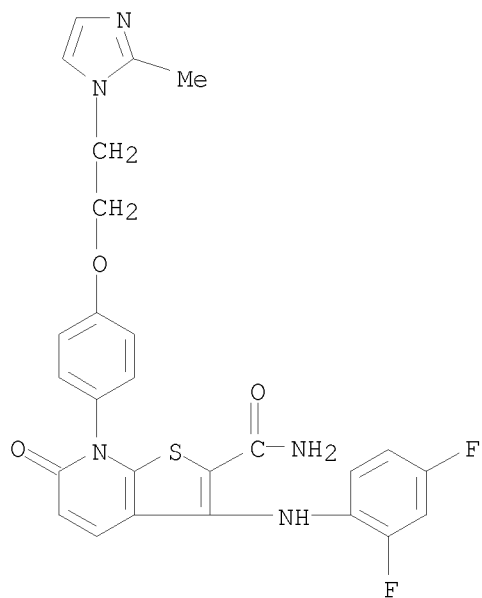
RN 639480-00-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-
 (CA INDEX NAME)



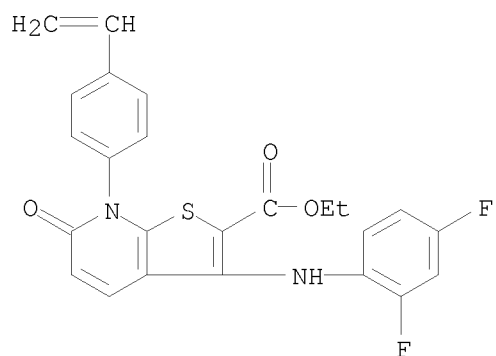
RN 639480-01-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-3-(phenylamino)-7-[4-(1-pyrrolidinylmethyl)phenyl]-,
 ethyl ester (CA INDEX NAME)



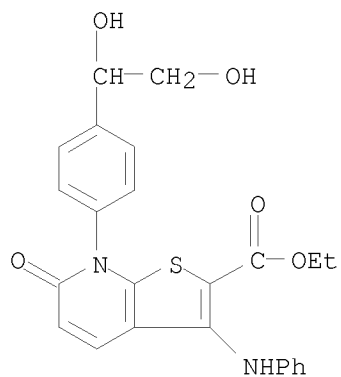
RN 639480-03-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo- (CA INDEX NAME)



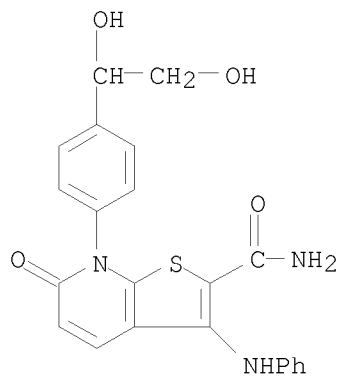
RN 639480-04-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-,
 ethyl ester (CA INDEX NAME)



RN 639480-07-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl
 ester (CA INDEX NAME)

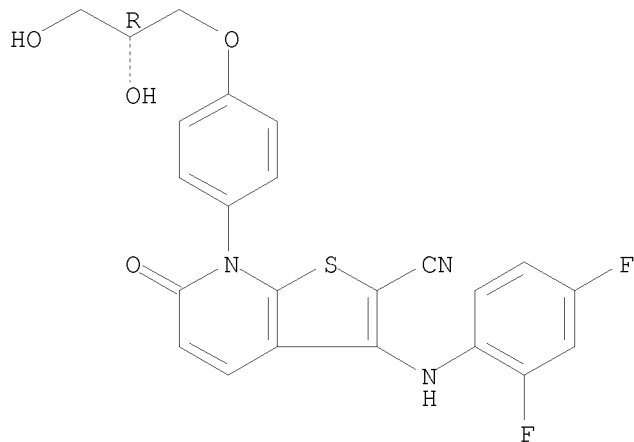


RN 639480-08-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)- (CA
 INDEX NAME)

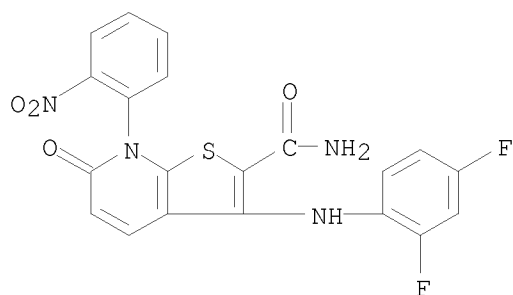


RN 639480-09-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-7-[4-[(2R)-2,3-dihydroxypropoxy]phenyl]-6,7-
 dihydro-6-oxo- (CA INDEX NAME)

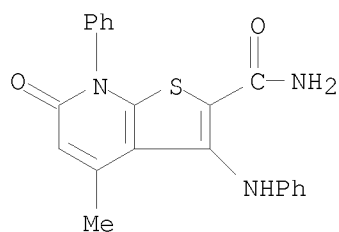
Absolute stereochemistry.



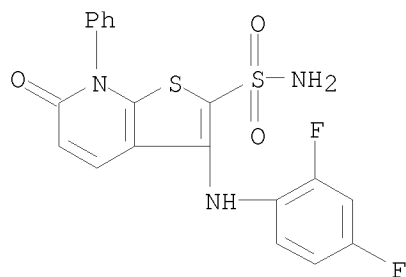
RN 639480-11-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo- (CA
 INDEX NAME)



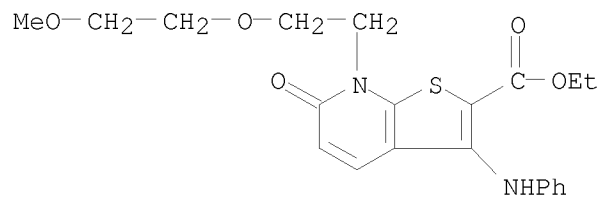
RN 639480-13-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639480-14-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-sulfonamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

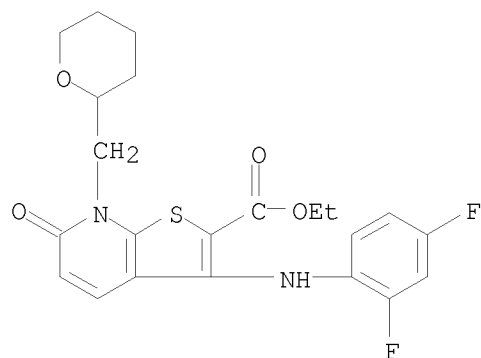


RN 639480-15-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-7-[2-(2-methoxyethoxy)ethyl]-6-oxo-3-(phenylamino)-, ethyl
 ester (CA INDEX NAME)



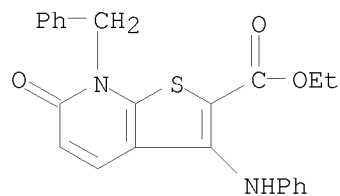
RN 639480-16-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



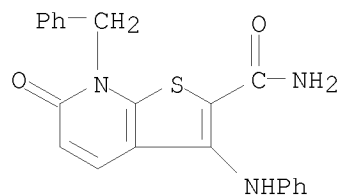
RN 639480-17-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



RN 639480-19-6 CAPLUS

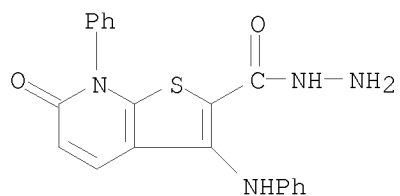
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)- (CA INDEX NAME)



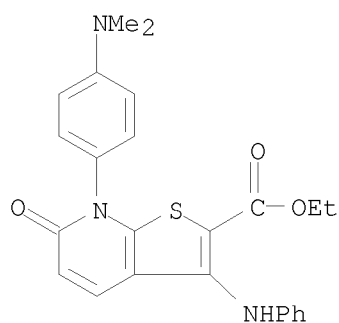
RN 639480-20-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,

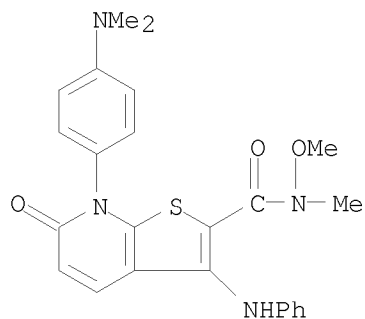
6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, hydrazide (CA INDEX NAME)



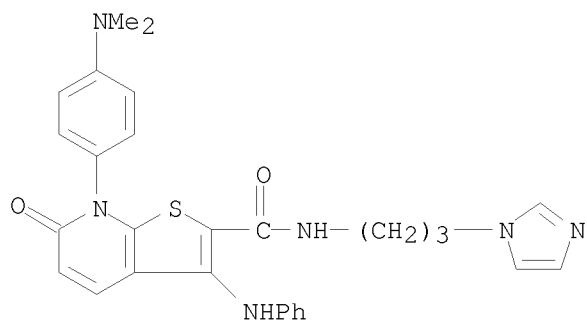
RN 639480-21-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl
 ester (CA INDEX NAME)



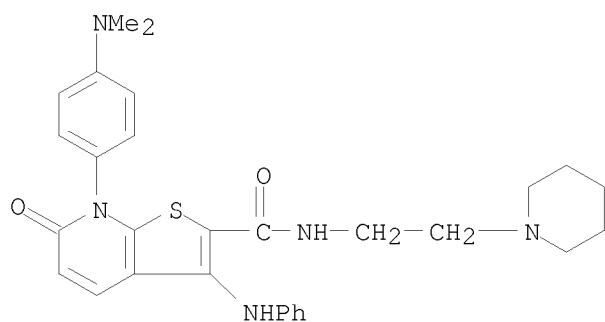
RN 639480-22-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-
 (phenylamino)- (CA INDEX NAME)



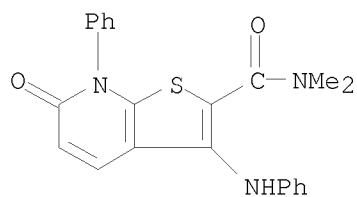
RN 639480-23-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-
 oxo-3-(phenylamino)- (CA INDEX NAME)



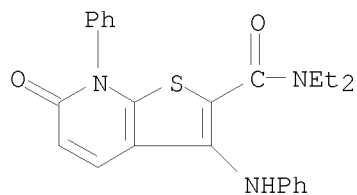
RN 639480-24-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



RN 639480-25-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

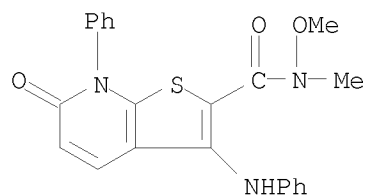


RN 639480-26-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 N,N-diethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

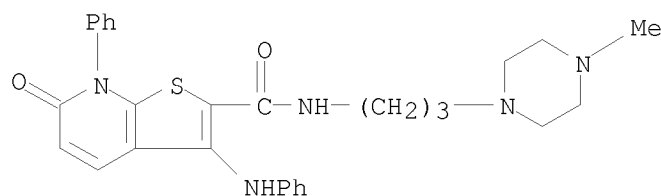


RN 639480-27-6 CAPLUS

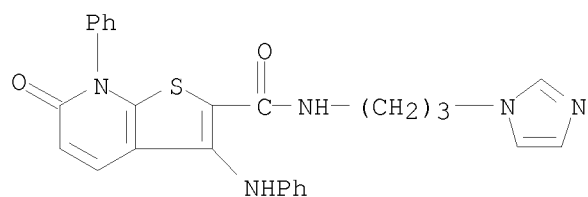
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



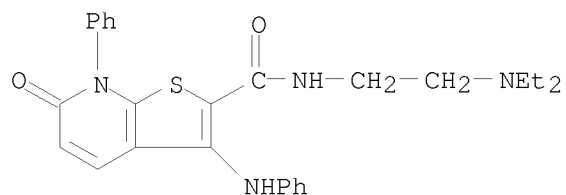
RN 639480-28-7 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639480-29-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

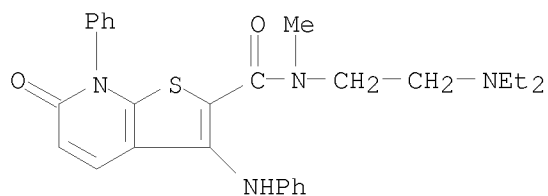


RN 639480-30-1 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
N-[2-(diethylamino)ethyl]-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



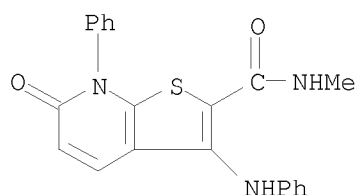
RN 639480-31-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
N-[2-(diethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-

(phenylamino)- (CA INDEX NAME)



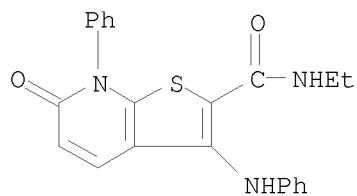
RN 639480-32-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



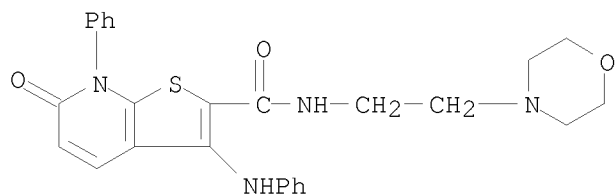
RN 639480-33-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
N-ethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



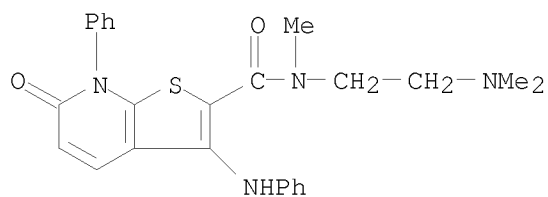
RN 639480-34-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-7-phenyl-3-(phenylamino)-
(CA INDEX NAME)

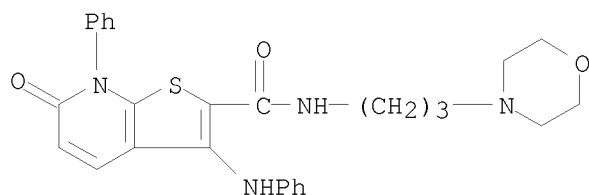


RN 639480-35-6 CAPLUS

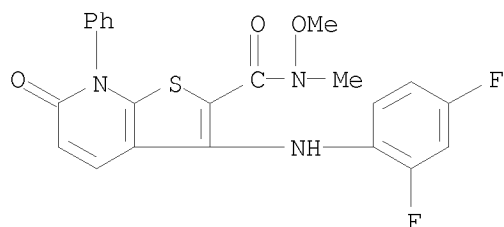
CN Thieno[2,3-b]pyridine-2-carboxamide,
N-[2-(dimethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-
(phenylamino)- (CA INDEX NAME)



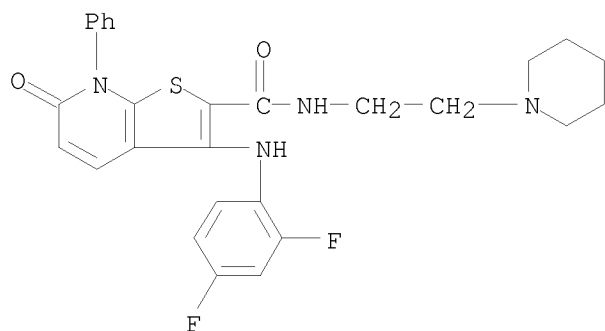
RN 639480-36-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)-
 (CA INDEX NAME)



RN 639480-37-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-
 phenyl- (CA INDEX NAME)

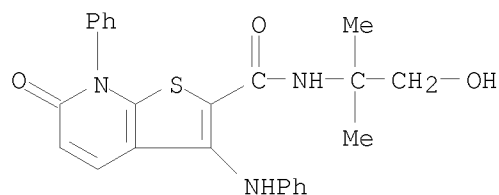


RN 639480-38-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-[2-(1-
 piperidinyl)ethyl]- (CA INDEX NAME)

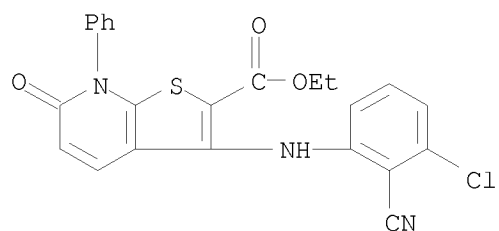


RN 639480-39-0 CAPLUS

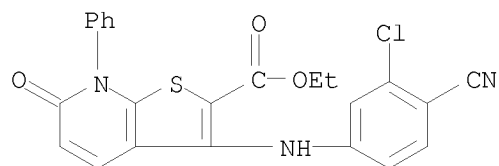
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl-3-(phenylamino)-
(CA INDEX NAME)



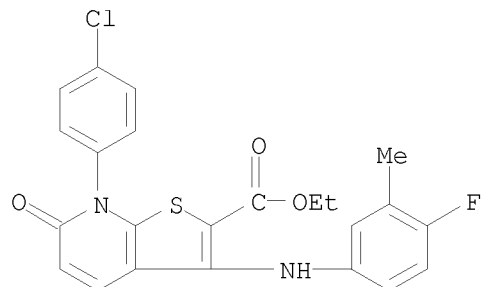
RN 639480-40-3 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(3-chloro-2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
(CA INDEX NAME)



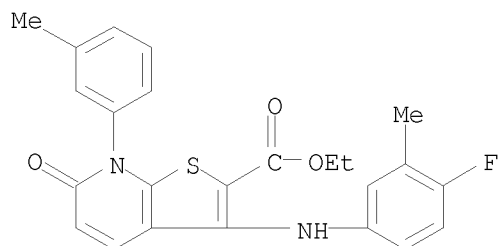
RN 639480-44-7 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(3-chloro-4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester
(CA INDEX NAME)



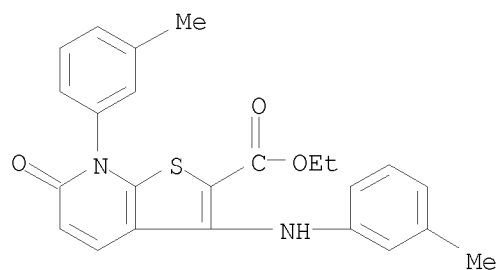
RN 639480-49-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-,
ethyl ester (CA INDEX NAME)



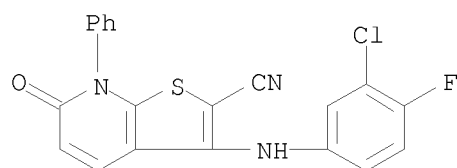
RN 639480-50-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-,
 ethyl ester (CA INDEX NAME)



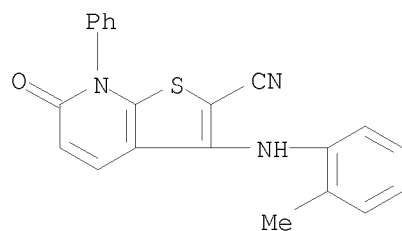
RN 639480-51-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl
 ester (CA INDEX NAME)



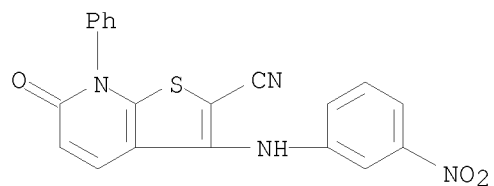
RN 639480-53-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX
 NAME)



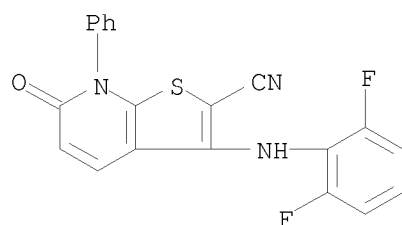
RN 639480-54-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[(2-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



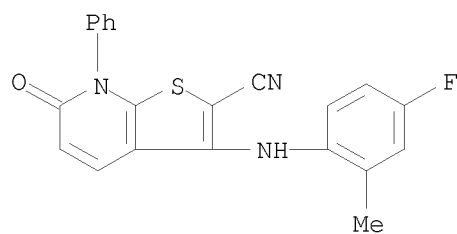
RN 639480-57-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[(3-nitrophenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



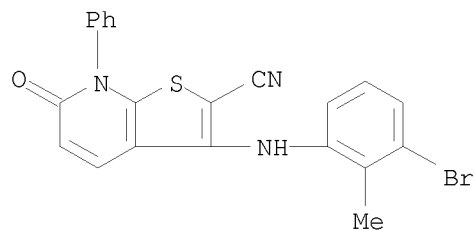
RN 639480-61-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,6-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



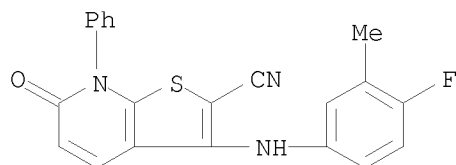
RN 639480-62-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(4-fluoro-2-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



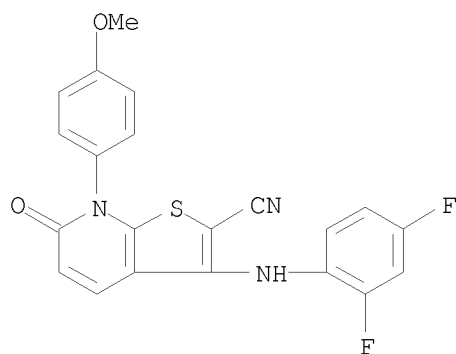
RN 639480-65-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(3-bromo-2-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-68-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

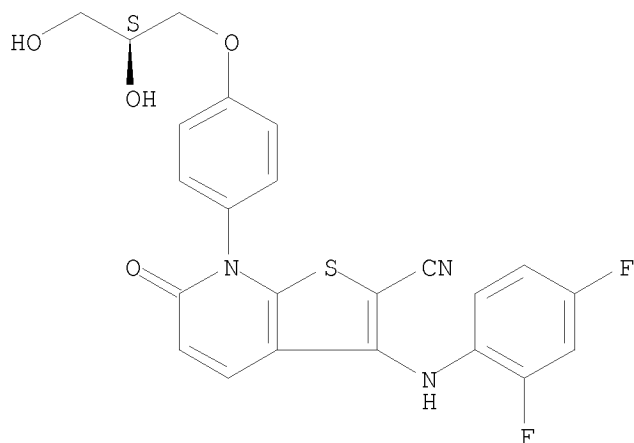


RN 639480-71-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-methoxyphenyl)-6-oxo- (CA INDEX NAME)



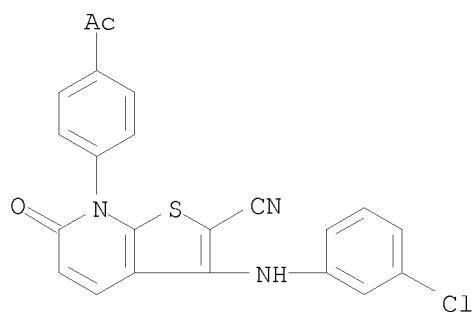
RN 639480-72-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-7-[4-[(2S)-2,3-dihydroxypropoxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.



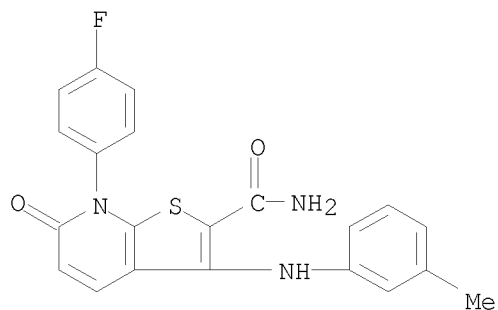
RN 639480-73-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 7-(4-acetylphenyl)-3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)

NAME)



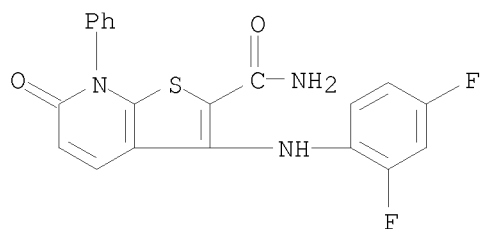
RN 639480-77-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
NAME)



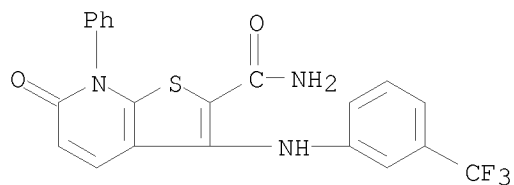
RN 639480-78-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

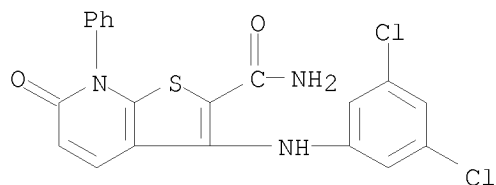


RN 639480-79-8 CAPLUS

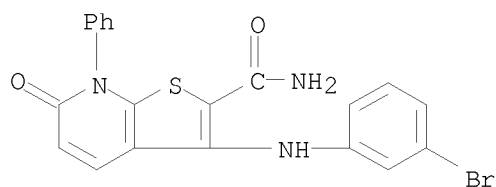
CN Thieno[2,3-b]pyridine-2-carboxamide,
6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethyl)phenyl]amino]- (CA
INDEX NAME)



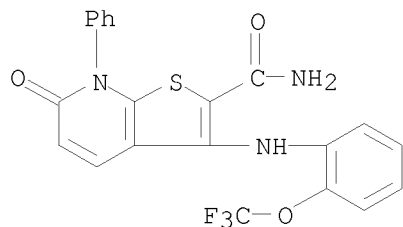
RN 639480-80-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3,5-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



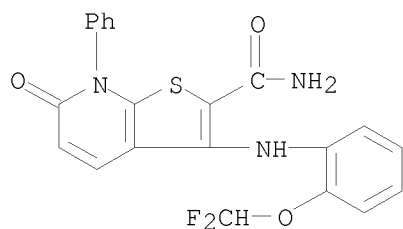
RN 639480-81-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



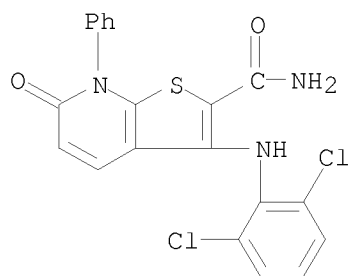
RN 639480-82-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-7-phenyl-3-[[2-(trifluoromethoxy)phenyl]amino]- (CA
 INDEX NAME)



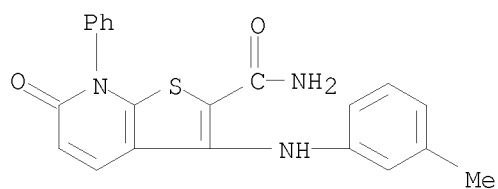
RN 639480-83-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[[2-(difluoromethoxy)phenyl]amino]-6,7-dihydro-6-oxo-7-phenyl- (CA
 INDEX NAME)



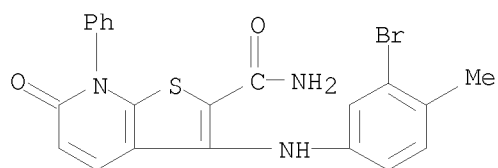
RN 639480-84-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



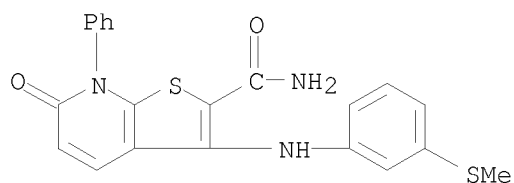
RN 639480-85-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



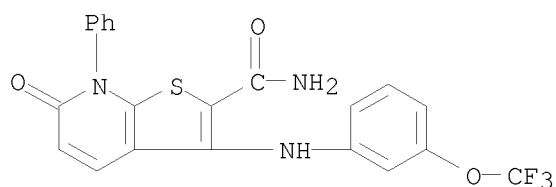
RN 639480-86-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3-bromo-4-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



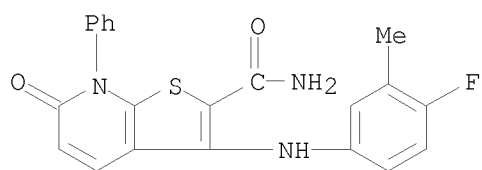
RN 639480-87-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[[3-(methylthio)phenyl]amino]-6-oxo-7-phenyl- (CA INDEX NAME)



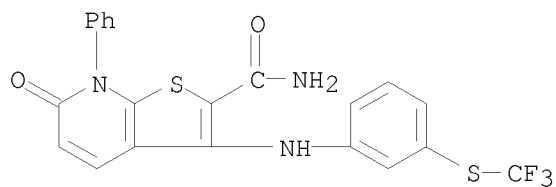
RN 639480-88-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]- (CA
 INDEX NAME)



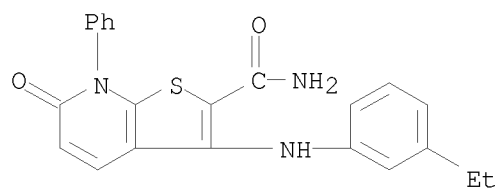
RN 639480-89-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX
 NAME)



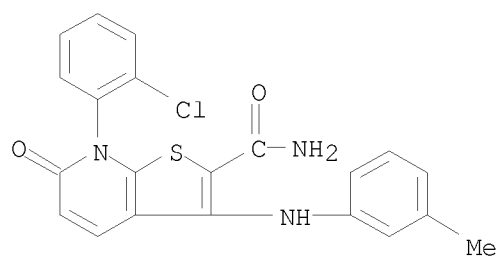
RN 639480-90-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-6-oxo-7-phenyl-3-[[3-[(trifluoromethyl)thio]phenyl]amino]-
 (CA INDEX NAME)



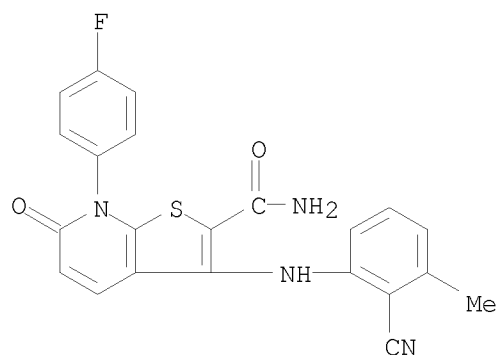
RN 639480-91-4 CAPLUS
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 3-[(3-ethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



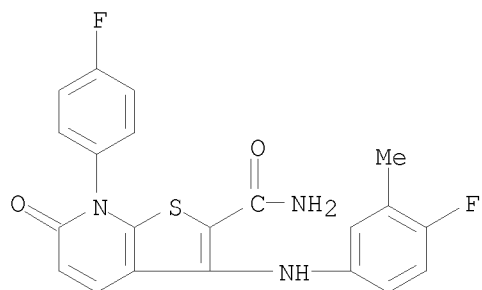
RN 639480-92-5 CAPLUS
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 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX
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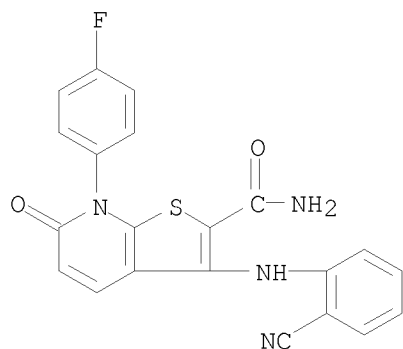
RN 639480-93-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



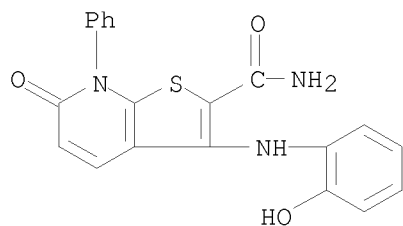
RN 639480-94-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-
 (CA INDEX NAME)



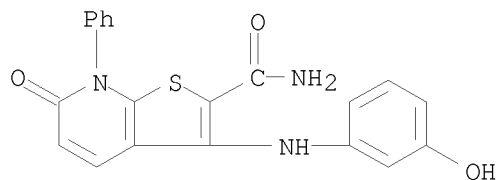
RN 639480-95-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639480-96-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)

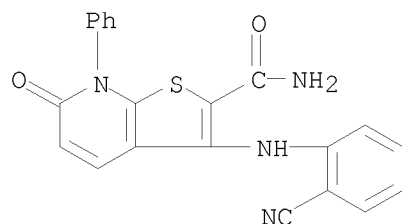


RN 639480-97-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 6,7-dihydro-3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)

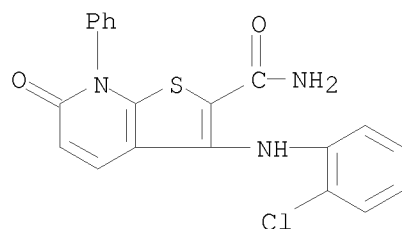


RN 639480-98-1 CAPLUS

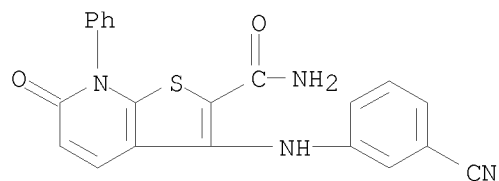
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



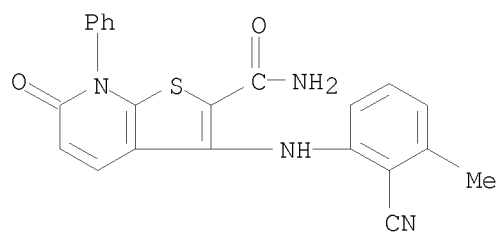
RN 639480-99-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



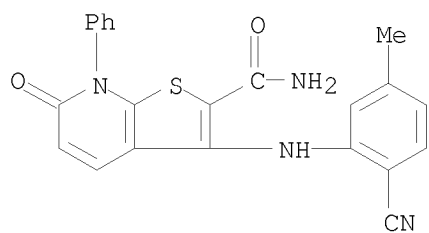
RN 639481-00-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



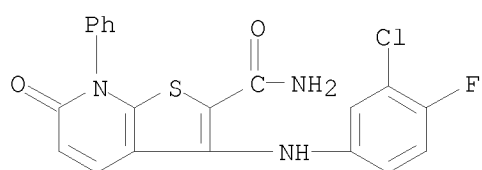
RN 639481-01-9 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



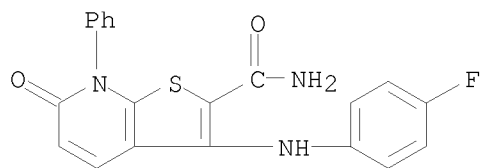
RN 639481-02-0 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide,
3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



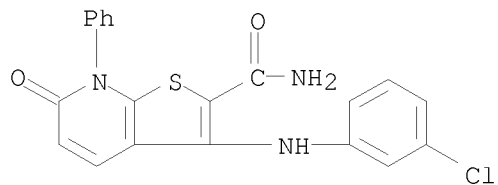
RN 639481-03-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



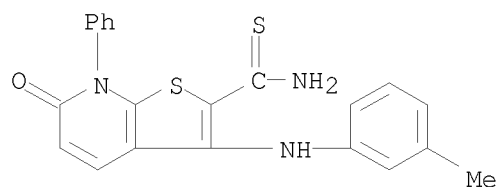
RN 639481-04-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



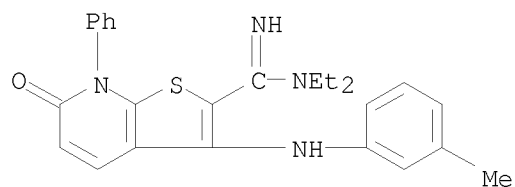
RN 639481-05-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



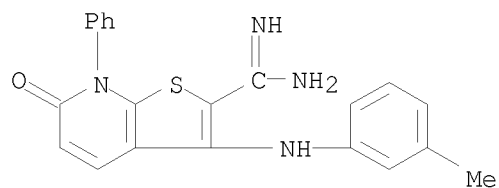
RN 639481-06-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbothioamide,
 3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



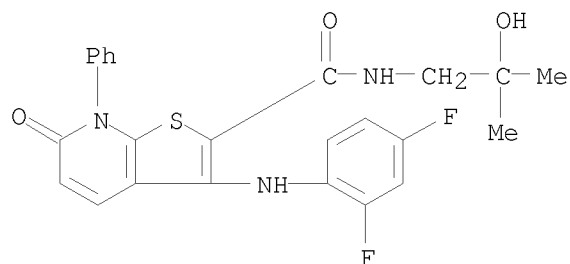
RN 639481-07-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboximidamide,
 N,N-diethyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA
 INDEX NAME)



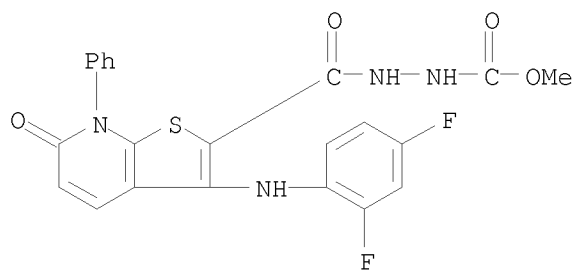
RN 639481-08-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboximidamide,
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



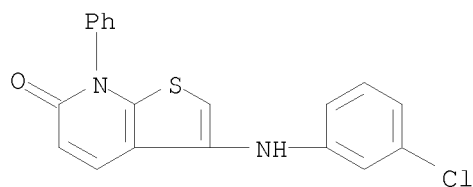
RN 639481-09-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(2-hydroxy-2-methylpropyl)-6-
 oxo-7-phenyl- (CA INDEX NAME)



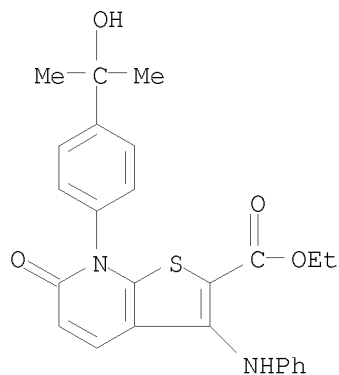
RN 639481-10-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,
 2-(methoxycarbonyl)hydrazide (CA INDEX NAME)



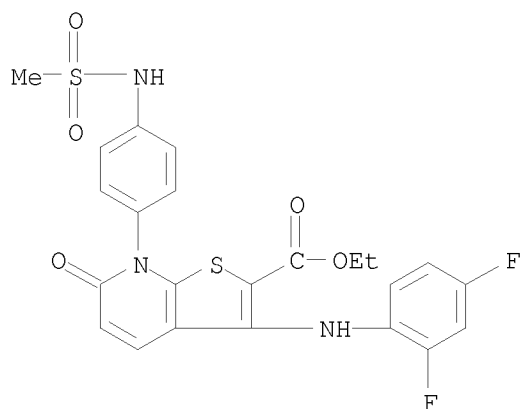
RN 639481-11-1 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl- (CA INDEX NAME)



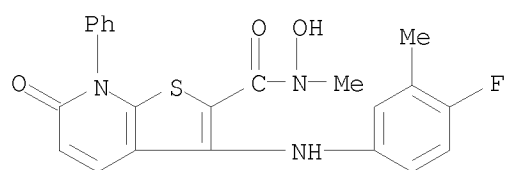
RN 639481-12-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



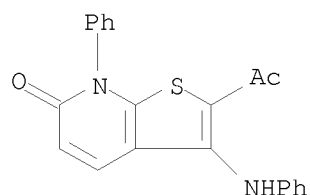
RN 639481-13-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[(methylsulfonyl)amino]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



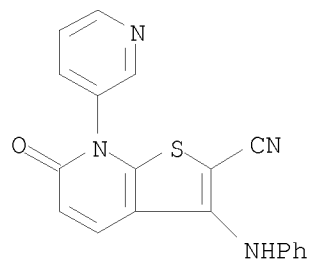
RN 639481-15-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-N-hydroxy-N-methyl-6-oxo-7-
 phenyl- (CA INDEX NAME)



RN 639481-16-6 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-7-phenyl-3-(phenylamino)- (CA
 INDEX NAME)

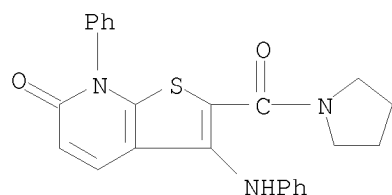


RN 639481-17-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



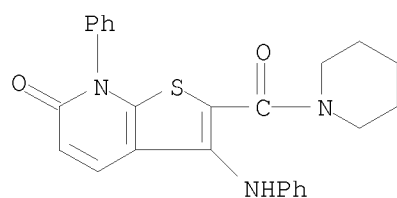
RN 639481-18-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



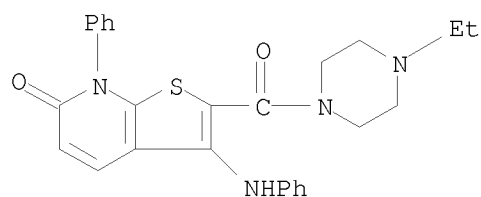
RN 639481-19-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)



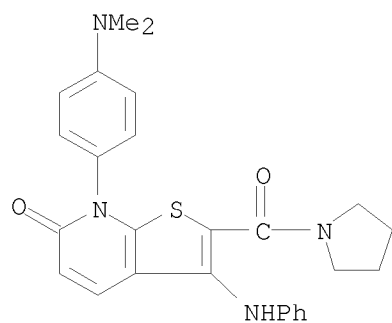
RN 639481-20-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



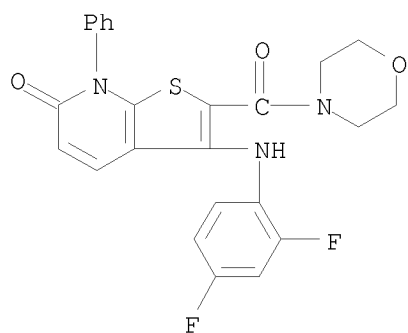
RN 639481-21-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-[4-(dimethylamino)phenyl]-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)

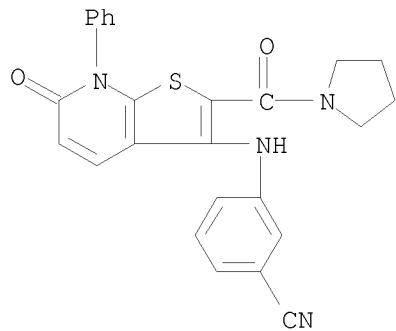


RN 639481-22-4 CAPLUS

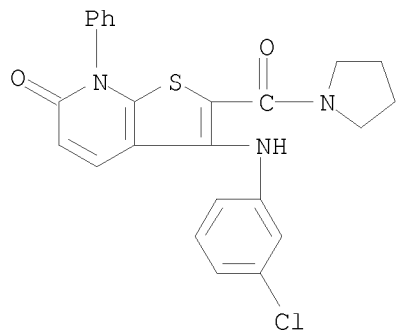
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



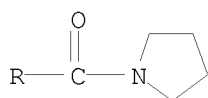
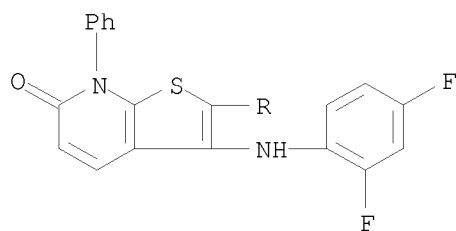
RN 639481-23-5 CAPLUS
 CN Benzonitrile, 3-[[6,7-dihydro-6-oxo-7-phenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)



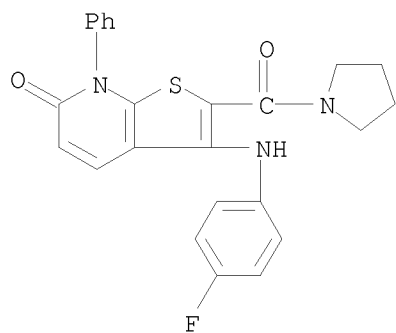
RN 639481-24-6 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



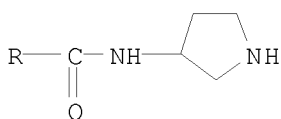
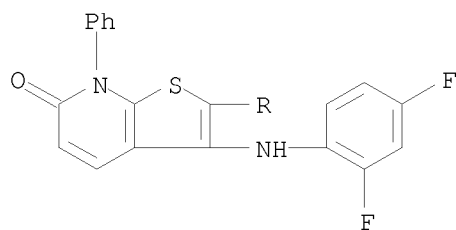
RN 639481-25-7 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



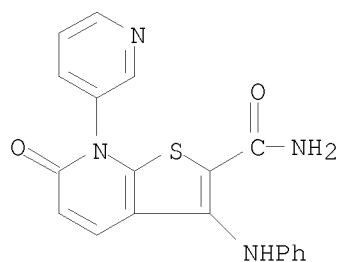
RN 639481-26-8 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



RN 639481-27-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 639504-80-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



IT 639481-40-6P 639481-46-2P 639481-52-0P
 639481-55-3P 639481-58-6P 639481-59-7P
 639481-64-4P 639481-65-5P 639481-66-6P
 639481-69-9P 639481-70-2P 639481-71-3P
 639481-73-5P 639481-80-4P 639481-87-1P
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 639481-99-5P 639482-00-1P 639482-01-2P
 639482-02-3P 639482-06-7P 639482-07-8P
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 639482-17-0P 639504-79-3P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

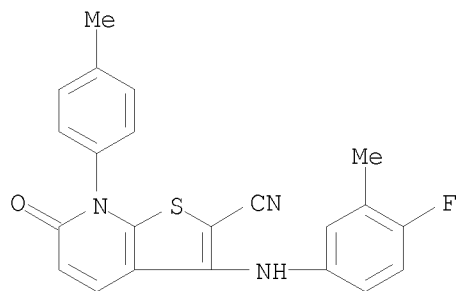
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

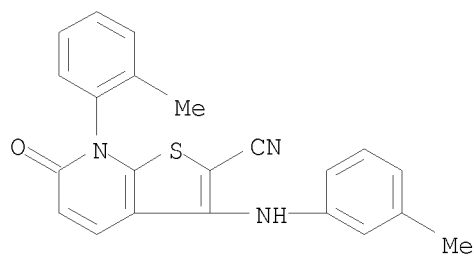
RN 639481-40-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo-
 (CA INDEX NAME)

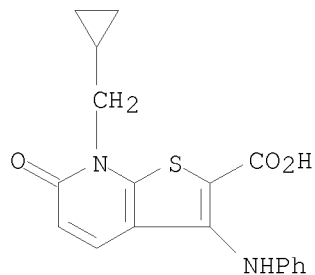


RN 639481-46-2 CAPLUS

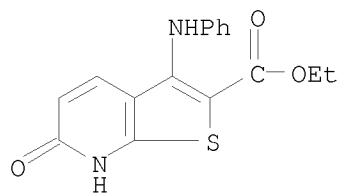
CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



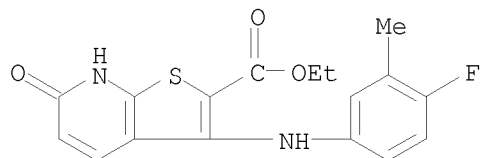
RN 639481-52-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt
 (1:1) (CA INDEX NAME)



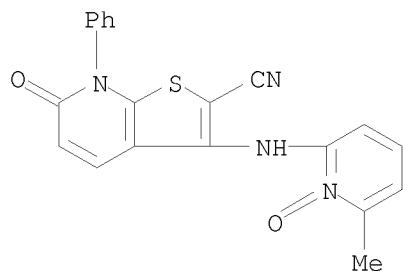
RN 639481-55-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



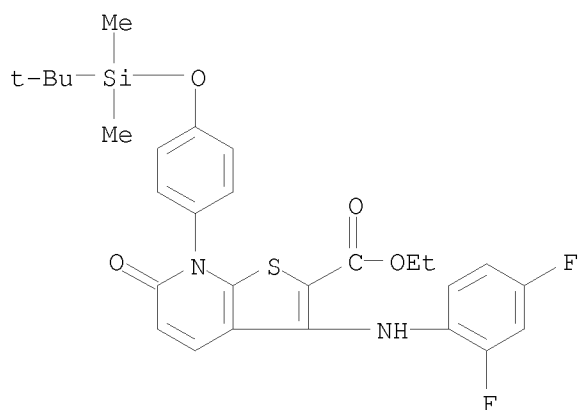
RN 639481-58-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA
 INDEX NAME)



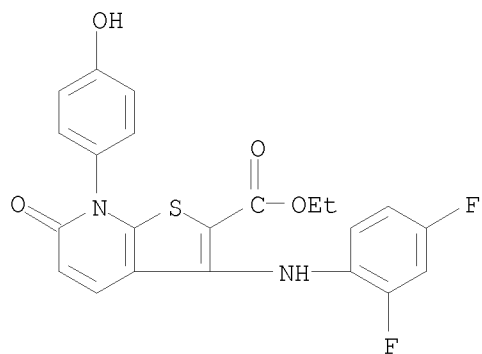
RN 639481-59-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-3-[(6-methyl-1-oxido-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA
 INDEX NAME)



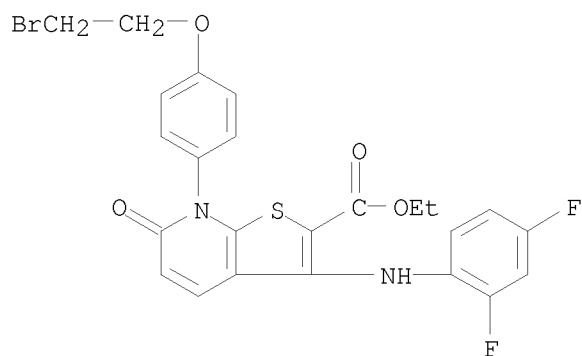
RN 639481-64-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-7-[4-[[1,1-
 dimethylethyl)dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo-, ethyl ester
 (CA INDEX NAME)



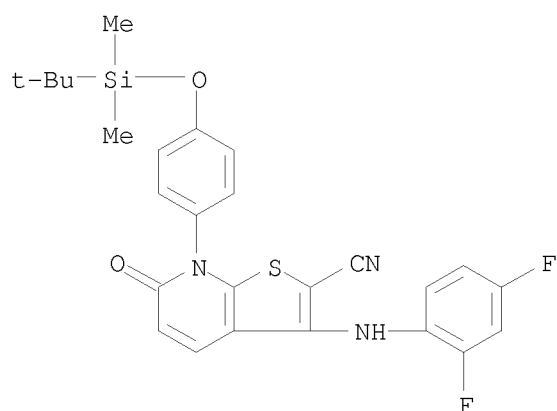
RN 639481-65-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-,
 ethyl ester (CA INDEX NAME)



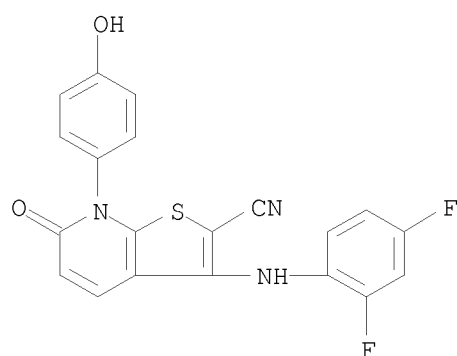
RN 639481-66-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-[4-(2-bromoethoxy)phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-
 oxo-, ethyl ester (CA INDEX NAME)



RN 639481-69-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-7-[4-[(1,1-
 dimethylethyl)dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX
 NAME)



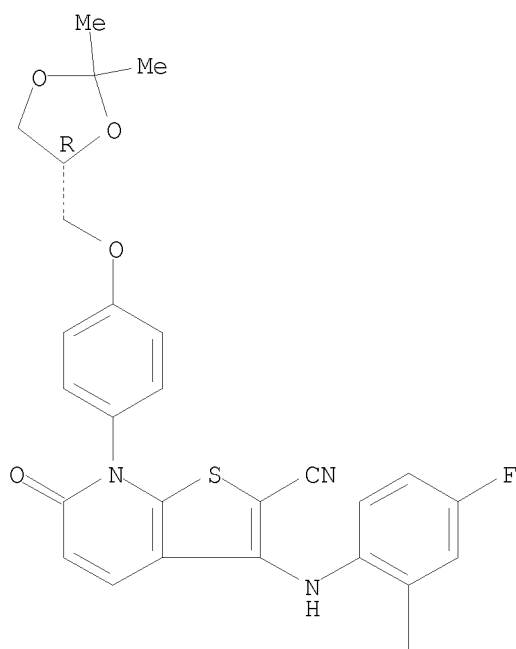
RN 639481-70-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo- (CA
 INDEX NAME)



RN 639481-71-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 3-[(2,4-difluorophenyl)amino]-7-[4-[(4R)-2,2-dimethyl-1,3-dioxolan-4-
 yl]methoxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.

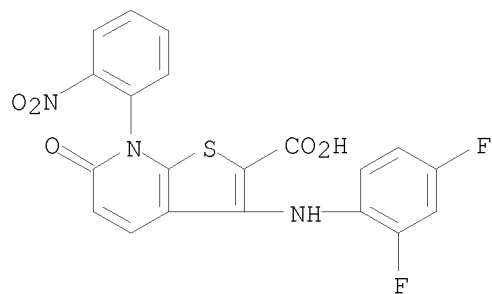
PAGE 1-A



PAGE 2-A

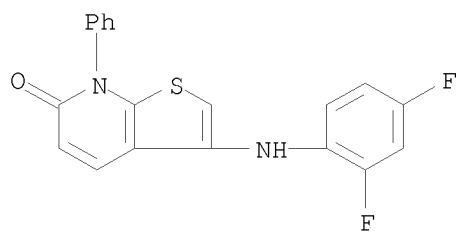


RN 639481-73-5 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, sodium
salt (1:1) (CA INDEX NAME)

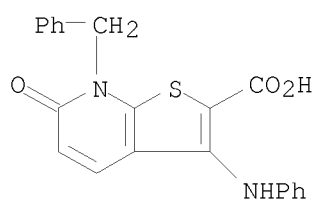


● Na

RN 639481-80-4 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-
(CA INDEX NAME)

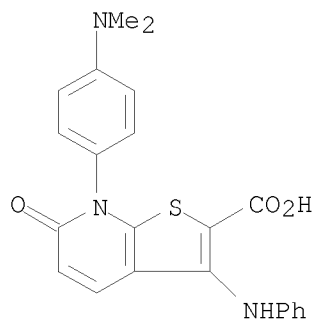


RN 639481-87-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ammonium salt (1:1)
 (CA INDEX NAME)



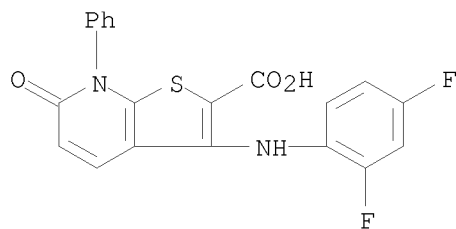
● NH₃

RN 639481-90-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium
 salt (1:1) (CA INDEX NAME)



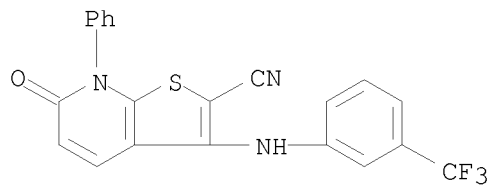
● NH₃

RN 639481-91-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt
 (1:1) (CA INDEX NAME)

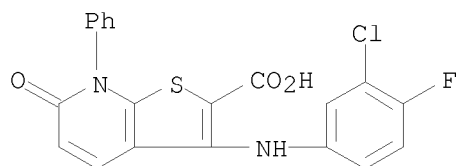


● NH₃

RN 639481-95-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carbonitrile,
 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethyl)phenyl]amino]- (CA
 INDEX NAME)

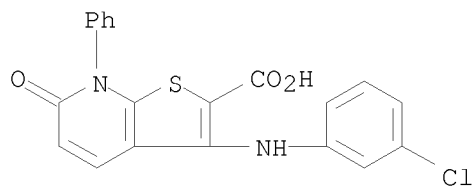


RN 639481-99-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium
 salt (1:1) (CA INDEX NAME)

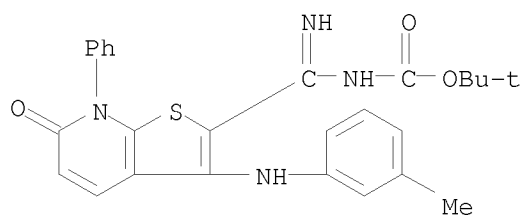


● NH₃

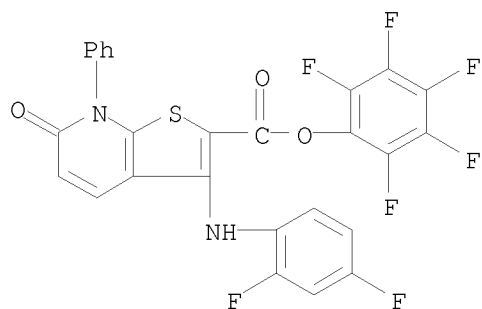
RN 639482-00-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1)
 (CA INDEX NAME)



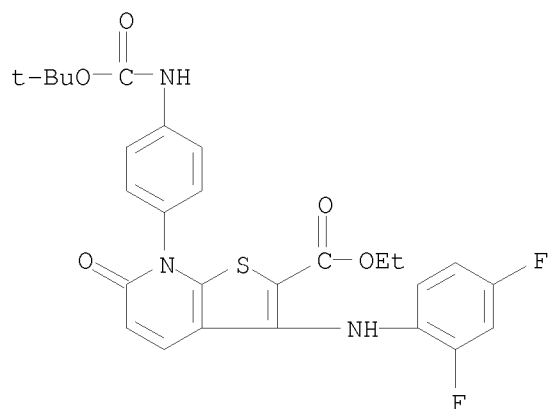
RN 639482-01-2 CAPLUS
 CN Carbamic acid, [[6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]iminomethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



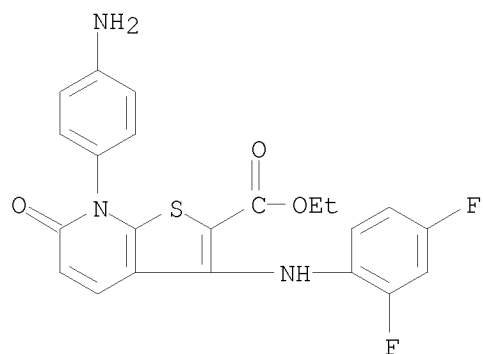
RN 639482-02-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



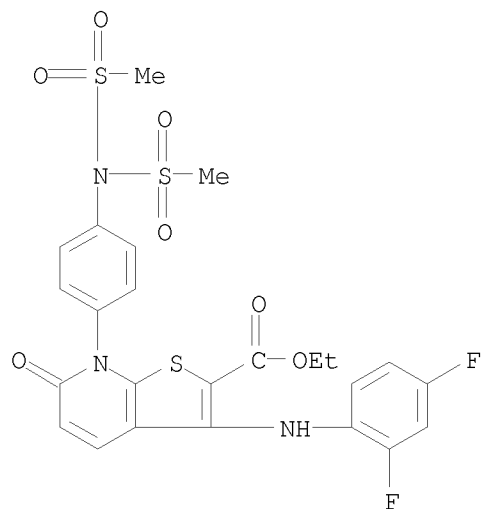
RN 639482-06-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[[1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



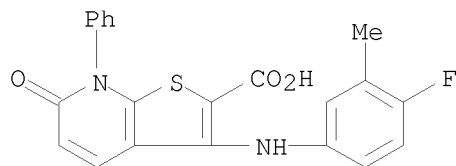
RN 639482-07-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-(4-aminophenyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl
 ester (CA INDEX NAME)



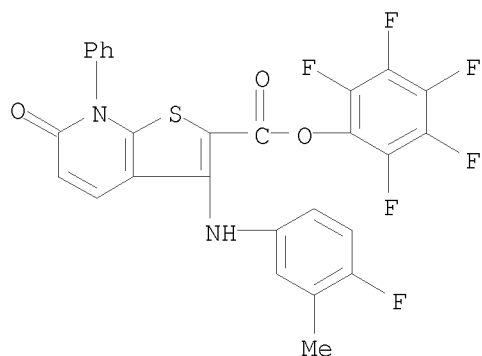
RN 639482-09-0 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 7-[4-[bis(methylsulfonyl)amino]phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-
 dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



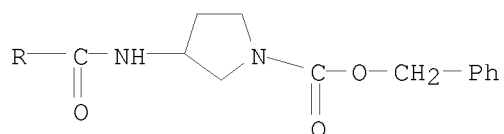
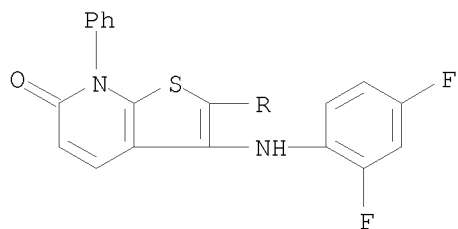
RN 639482-10-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium
 salt (1:1) (CA INDEX NAME)



RN 639482-11-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)

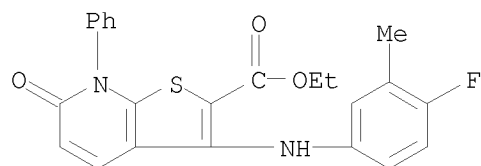


RN 639482-17-0 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl
ester (CA INDEX NAME)



IT 639482-18-1

RL: RCT (Reactant); RACT (Reactant or reagent)

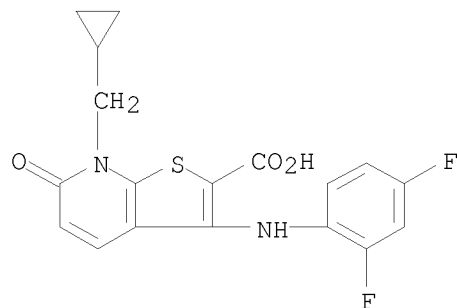
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

RN 639482-18-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,
7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-
(CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

39.11

217.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.60

-5.60

STN INTERNATIONAL LOGOFF AT 12:34:30 ON 30 DEC 2008